

CARMONA RESOURCES



## SITE INFORMATION

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**Closure Report**  
**Slick Mesa 27 State #001H**  
**API No. 30-025-30587**  
**Lea County, New Mexico**  
**Incident ID: nOY1815137332, 1RP-5076**  
**Unit F Sec 13 T21S R34E**  
**32.480135°, -103.425481°**

**Produced Water Release**  
**Point of Release: Wildfire; damaged surface poly line running across the pasture**  
**Release Date: 05.19.2018**  
**Volume Released: 5 Barrels of Produced Water**  
**Volume Recovered: 0 Barrels of Produced Water**

CARMONA RESOURCES



**Prepared for:**  
**Caza Operating LLC**  
**200 North Loraine Street**  
**Suite 1550**  
**Midland, TX 79701**

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

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Midland TX, 79701  
432.813.1992



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June 23, 2025

New Mexico State Land Office  
310 Old Santa Fe Trail  
Santa Fe, NM 87505

New Mexico Oil Conservation Division  
1220 South St, Francis Drive  
Santa Fe, New Mexico 87505

**Re: Closure Report  
Slick Mesa 27 #001H  
Caza Operating, LLC  
API No. 30-025-30587  
Incident # nOY1815137332, 1RP-5076  
Site Location: Unit F, S13, T21S, R34E  
(Lat 32.480135°, Long -103.425481°)  
Lea County, New Mexico**

To whom it may concern:

On behalf of Caza Operating, LLC (Caza), Carmona Resources, LLC has prepared this letter to document site activities for the Slick Mesa 27 State #001H. This report has been prepared per the Caza Operating, LLC lease assignment that is under the New Mexico State Land Office (NMSLO) review. The site is located at 32.480135°, -103.425481° within Unit F, S13, T21S, and R34E, in Lea County, New Mexico (Figures 1 and 2).

### **1.0 Site Information and Background**

According to OCD imaging records, Caza is listed as the current operator for this decommissioned well. Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on May 19, 2018, due to a wildfire that erupted and burned a surface poly line running across the pasture. It resulted in the release of five (5) barrels of produced water, with zero (0) barrels recovered. The incident occurred on pad and out in the pasture. Refer to Figure 3 for the affected area. The initial C-141 form is attached in Appendix C.

#### **Cultural and Biological Compliance:**

Remediation activities did not go beyond the previously disturbed areas designated for remediation or reclamation. Compliance with the CPP Rule was maintained throughout the remediation activities. This site does not fall within a biologically sensitive area. As a result, no SSPS surveys did not have to be completed. An arch ARMS survey was completed and found the area was clear to work and negative findings. Please see the attached cover page in Appendix C. See Appendix F for further details explained in the biological desktop review.

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

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are two (2) known water sources within a 0.50-mile radius of the location. The nearest well is located approximately 0.07 miles Northwest of the site in S13, T21S, R34E, and was drilled in 2021. The monitor well has a reported depth to groundwater of 70' below ground surface (ft bgs). The second nearest well is located approximately 0.46 miles Northwest of the site in S13, T21S, R34E, and was drilled in 1981. The well has a reported depth to groundwater of 101.15' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

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### **3.0 NMAC Regulatory Criteria**

Per the NMOCD regulatory criteria established in 19.15.29.12, the following criteria were utilized in assessing the site. These standards are also established due to the Caza lease assignment being under review by the NMSLO.

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

### **4.0 Site Assessment Activities**

#### **Initial Site Assessment**

Prior to Carmona Resources, LLC being onsite, a third-party environmental consultant performed site assessment activities to evaluate soil impacts stemming from the release. Caza contacted Carmona Resources to further investigate. The initial sampling assessment results were evaluated by Carmona Resources via field screenings.

### **5.0 Remediation Activities**

Carmona Resources personnel were onsite to guide excavation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on May 6, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the NMOCD correspondence. A total of sixty-one (61) confirmation floor samples (CS-1 through CS-61) and nine (9) sidewall samples (SW-1 through SW-9) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH 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.

All final confirmation samples were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. A composite sample of the backfill material was collected for laboratory analysis on January 21, 2025, before being utilized. Refer to Table 1. Approximately 12,091 square feet of contamination was remediated, resulting in 1,120 cubic yards of material excavated and transported offsite for proper disposal.

### **6.0 Reclamation Activities**

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. On June 2, 2025, the backfilled areas were seeded via hand distribution with the appropriate pounds of live seed per acre. The topsoil was ripped with a dozer onto the seed to aid the vegetation process and watered appropriately. The seed mixture used was NMSLO Sandy Loam mixture. The SLO mixture type, soil survey details and corresponding pounds of pure live seed per acre are included in Appendix F. Approximately 21,780 square feet of area was reclaimed. Semi-annual inspections (at a minimum) will take place at the location until the native vegetation has been properly established. The site conditions must reflect that the total percentage of plant cover is greater than 70 percent pre-disturbance levels excluding invasive or noxious weeds. If the site does not show signs of revegetation after one growing season, the area will be reseeded as deemed appropriate by the NMSLO. See Figure 5 for the reclamation area.



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### **7.0 Conclusions**

Based on the assessment results and the analytical data, no further actions are required at the site. Caza formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

Conner Moehring  
Environmental Manager

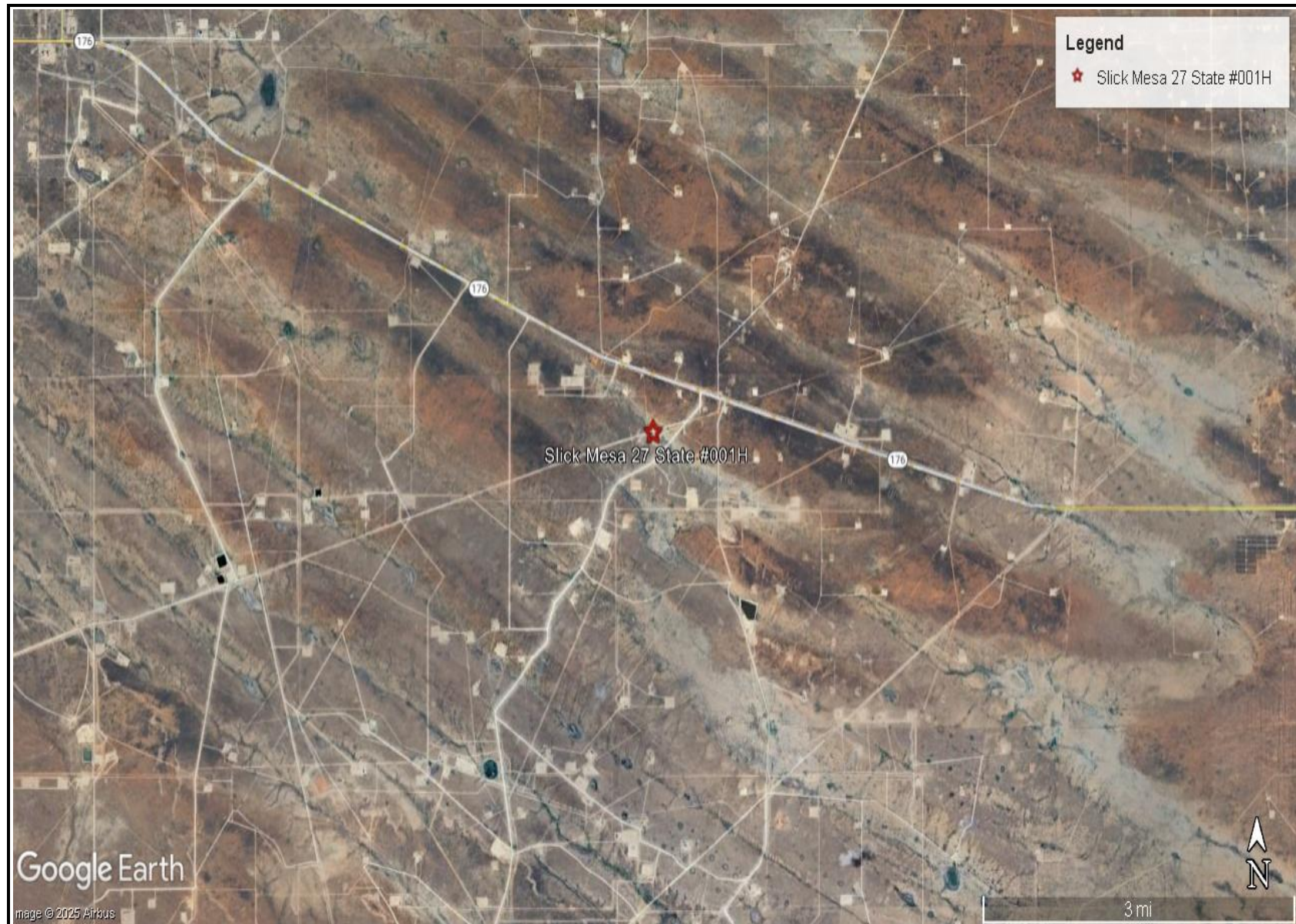
Stephen Reyes  
Environmental Engineer

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## FIGURES

CARMONA RESOURCES



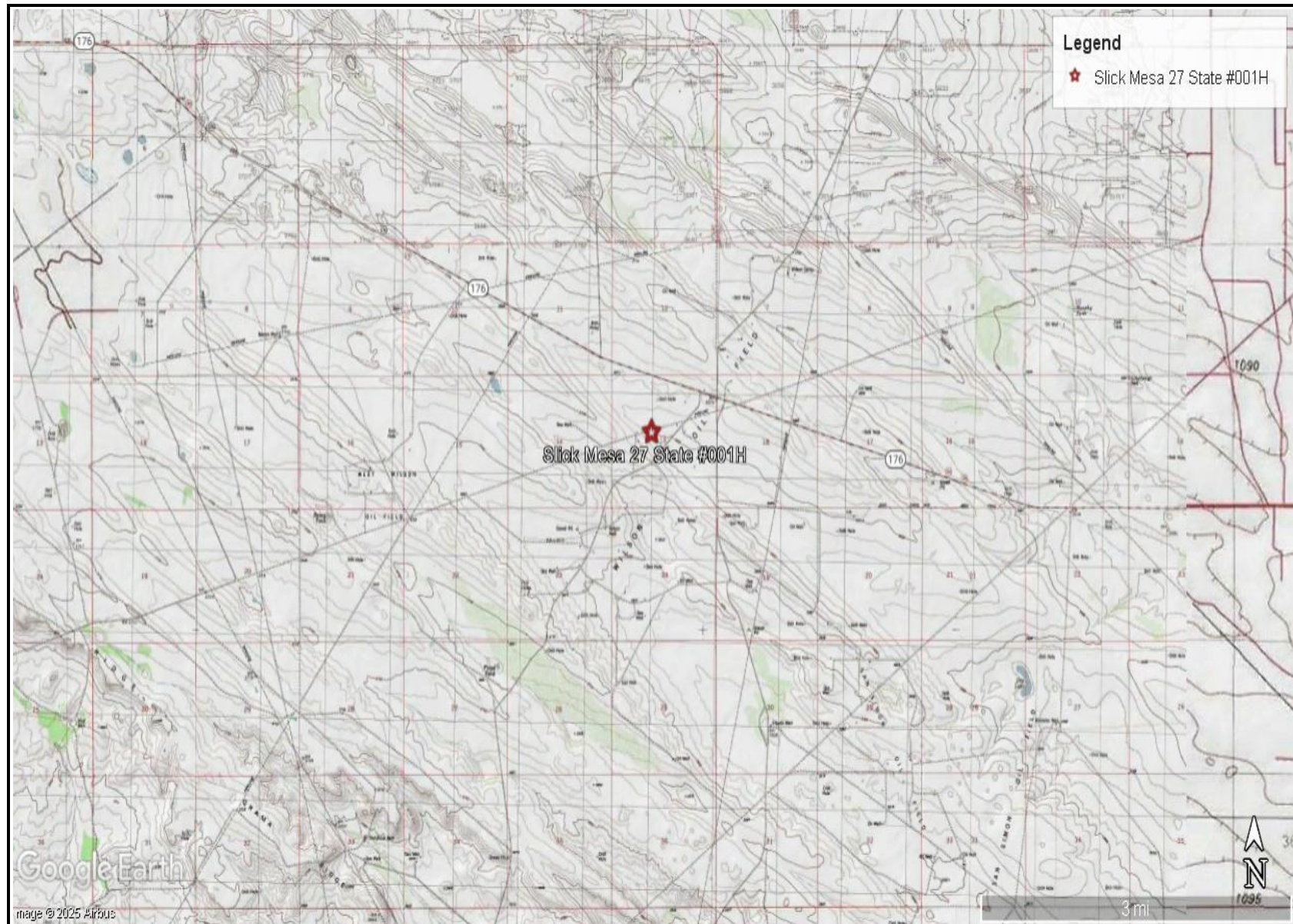


OVERVIEW MAP  
CAZA OPERATING  
SLICK MESA 27 STATE #001H (05.19.2018)  
LEA COUNTY, NEW MEXICO  
32.480135, -103.425481



FIGURE 1



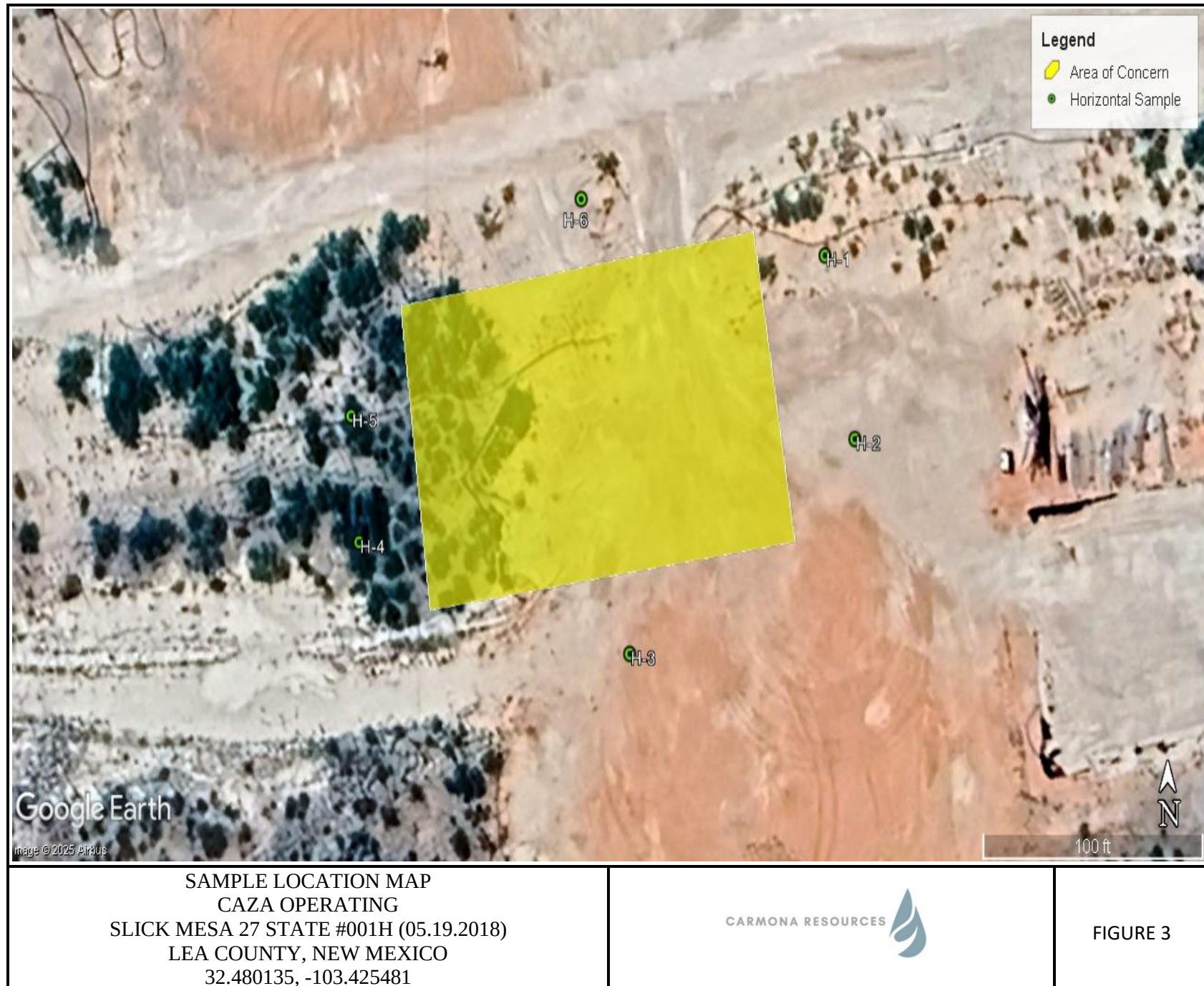


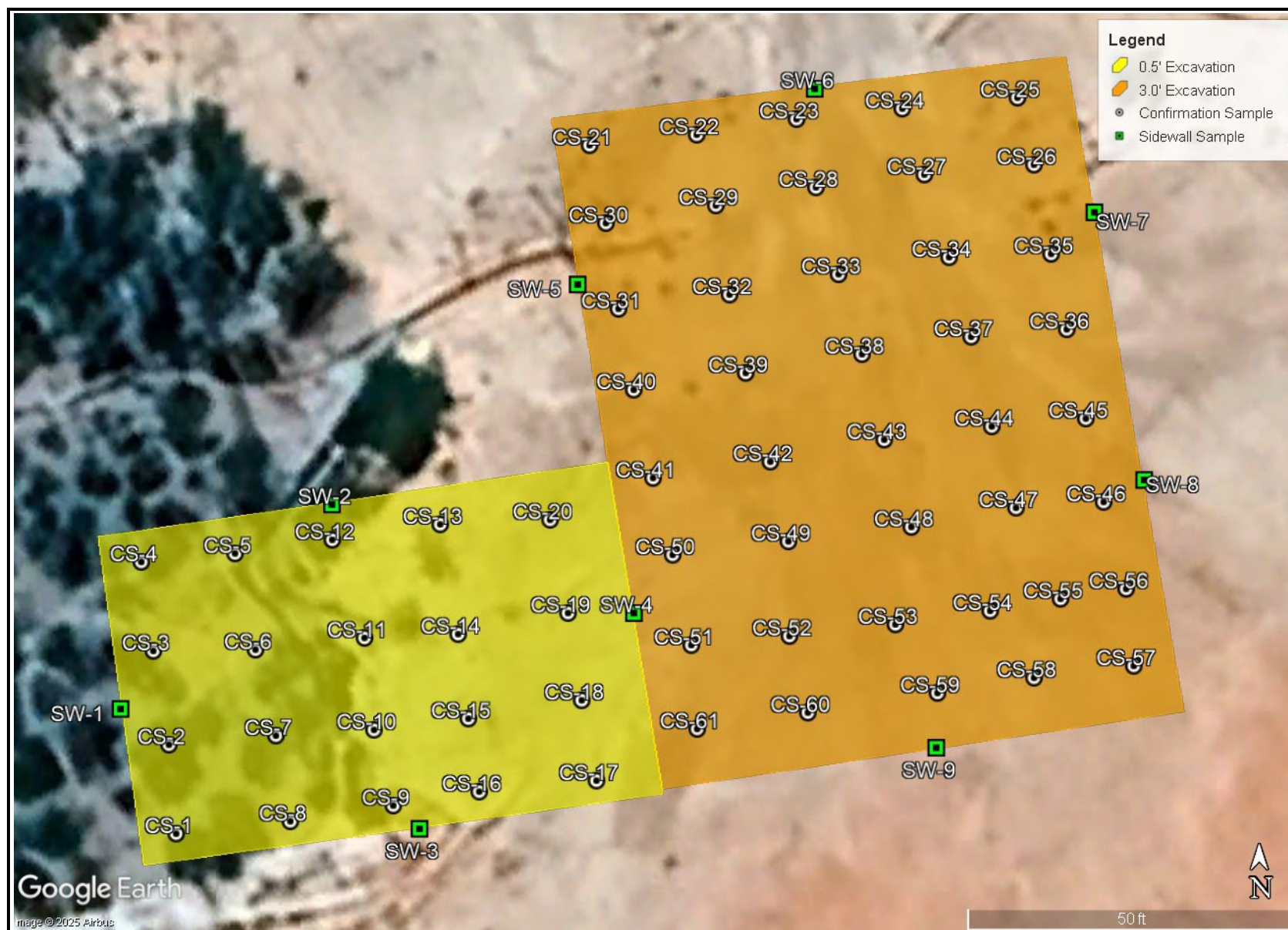
TOPOGRAPHIC MAP  
CAZA OPERATING  
SLICK MESA 27 STATE #001H (05.19.2018)  
LEA COUNTY, NEW MEXICO  
32.480135, -103.425481



FIGURE 2





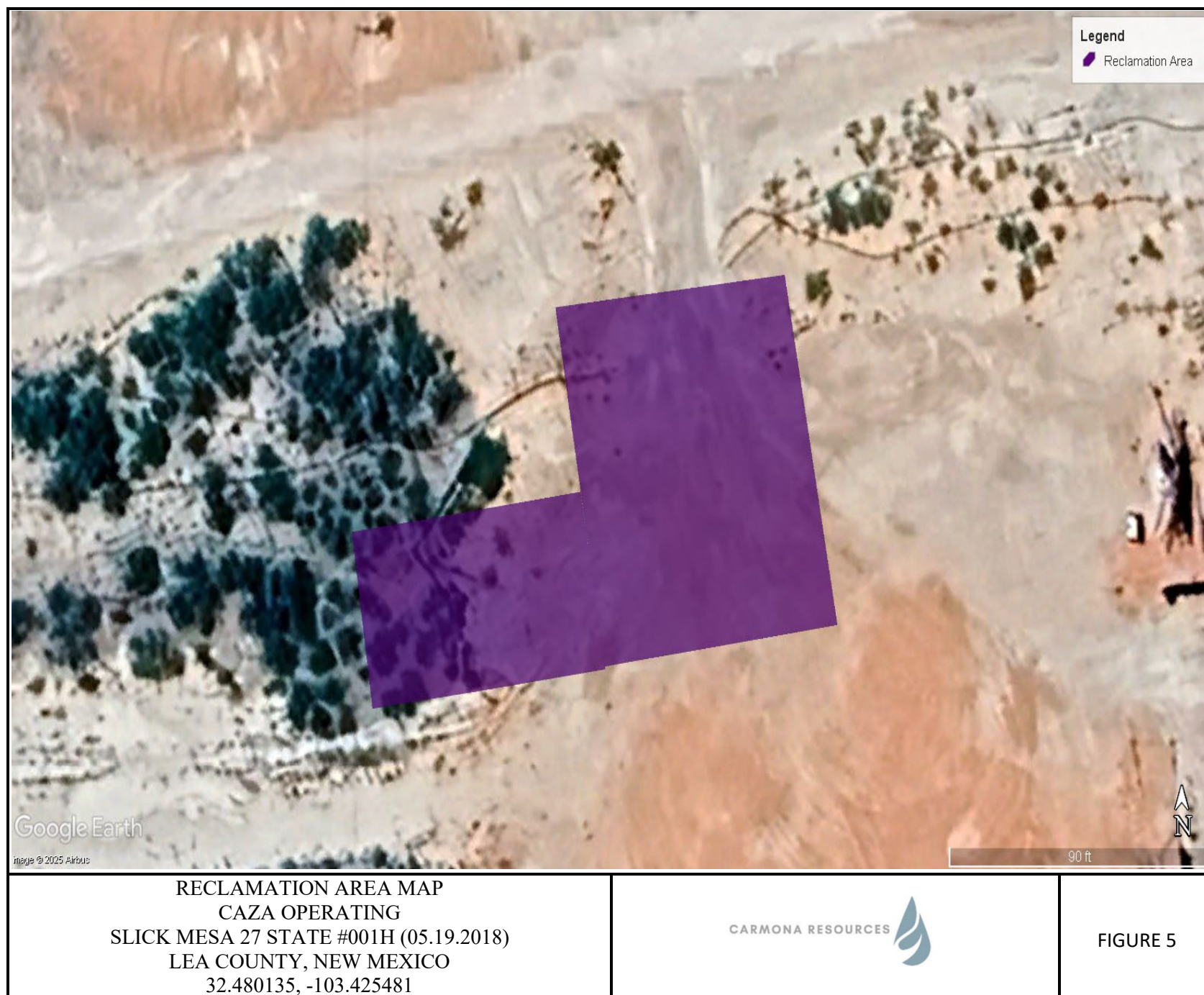


EXCAVATION MAP  
CAZA OPERATING  
SLICK MESA 27 STATE #001H (05.19.2018)  
LEA COUNTY, NEW MEXICO  
32.480135, -103.425481



FIGURE 4





## APPENDIX A

CARMONA RESOURCES





**Table 1**  
**Caza Operating, LLC**  
**Slick Mesa 27 State #001H**  
**Lea 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>CS-1</b>                            | 5/9/2025 | 0.5'       | <50.1       | <50.1 | <50.1 | <50.1 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 89.3             |
| <b>CS-2</b>                            | 5/9/2025 | 0.5'       | <50.1       | <50.1 | <50.1 | <50.1 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 132              |
| <b>CS-3</b>                            | 5/9/2025 | 0.5'       | <50.0       | <50.0 | <50.0 | <50.0 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 106              |
| <b>CS-4</b>                            | 5/9/2025 | 0.5'       | <50.0       | <50.0 | <50.0 | <50.0 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 107              |
| <b>CS-5</b>                            | 5/9/2025 | 0.5'       | <50.2       | <50.2 | <50.2 | <50.2 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 109              |
| <b>CS-6</b>                            | 5/9/2025 | 0.5'       | <50.3       | <50.3 | <50.3 | <50.3 | <0.00198         | <0.00198        | <0.00198             | <0.00397       | <0.00397           | 137              |
| <b>CS-7</b>                            | 5/9/2025 | 0.5'       | <50.0       | <50.0 | <50.0 | <50.0 | <0.00201         | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 111              |
| <b>CS-8</b>                            | 5/9/2025 | 0.5'       | <49.9       | <49.0 | <49.0 | <49.0 | <0.00198         | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 134              |
| <b>CS-9</b>                            | 5/9/2025 | 0.5'       | <49.7       | <49.7 | <49.7 | <49.7 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 101              |
| <b>CS-10</b>                           | 5/9/2025 | 0.5'       | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 130              |
| <b>CS-11</b>                           | 5/9/2025 | 0.5'       | <50.1       | <50.1 | <50.1 | <50.1 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 112              |
| <b>CS-12</b>                           | 5/9/2025 | 0.5'       | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 128              |
| <b>CS-13</b>                           | 5/9/2025 | 0.5'       | <49.7       | <49.7 | <49.7 | <49.7 | <0.00200         | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 106              |
| <b>CS-14</b>                           | 5/9/2025 | 0.5'       | <49.8       | <49.8 | <49.8 | <49.8 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 118              |
| <b>CS-15</b>                           | 5/9/2025 | 0.5'       | <49.9       | <49.0 | <49.0 | <49.0 | <0.00202         | <0.00202        | <0.00202             | <0.00403       | <0.00403           | 105              |
| <b>Regulatory Criteria<sup>A</sup></b> |          |            |             |       |       |       | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                      |                | <b>50 mg/kg</b>    | <b>600 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

(CS) Confirmation Sample

**Table 1**  
**Caza Operating, LLC**  
**Slick Mesa 27 State #001H**  
**Lea 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>CS-16</b>                           | 5/9/2025 | 0.5'       | <50.0       | <50.0 | <50.0 | <50.0 | <0.00198         | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 75.3             |
| <b>CS-17</b>                           | 5/9/2025 | 0.5'       | <50.1       | <50.1 | <50.1 | <50.1 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 112              |
| <b>CS-18</b>                           | 5/9/2025 | 0.5'       | <50.0       | <50.0 | <50.0 | <50.0 | <0.00201         | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 105              |
| <b>CS-19</b>                           | 5/9/2025 | 0.5'       | <50.1       | <50.1 | <50.1 | <50.1 | <0.00201         | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 106              |
| <b>CS-20</b>                           | 5/9/2025 | 0.5'       | <49.9       | <49.0 | <49.0 | <49.0 | <0.00200         | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 92.9             |
| <b>CS-21</b>                           | 5/9/2025 | 3'         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200         | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 71.1             |
| <b>CS-22</b>                           | 5/9/2025 | 3'         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 84.4             |
| <b>CS-23</b>                           | 5/9/2025 | 3'         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 78.3             |
| <b>CS-24</b>                           | 5/9/2025 | 3'         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200         | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 100              |
| <b>CS-25</b>                           | 5/9/2025 | 3'         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 69.7             |
| <b>CS-26</b>                           | 5/9/2025 | 3'         | <50.2       | <50.2 | <50.2 | <50.2 | <0.00202         | <0.00202        | <0.00202             | <0.00403       | <0.00403           | 74.0             |
| <b>CS-27</b>                           | 5/9/2025 | 3'         | <50.3       | <50.3 | <50.3 | <50.3 | <0.00198         | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 70.2             |
| <b>CS-28</b>                           | 5/9/2025 | 3'         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 84.7             |
| <b>CS-29</b>                           | 5/9/2025 | 3'         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00201         | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 88.5             |
| <b>CS-30</b>                           | 5/9/2025 | 3'         | <49.6       | <49.6 | <49.6 | <49.6 | <0.00201         | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 105              |
| <b>Regulatory Criteria<sup>A</sup></b> |          |            |             |       |       |       | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                      |                | <b>50 mg/kg</b>    | <b>600 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

(CS) Confirmation Sample

**Table 1**  
**Caza Operating, LLC**  
**Slick Mesa 27 State #001H**  
**Lea 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>CS-31</b>                           | 5/9/2025 | 3'         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 96.5             |
| <b>CS-32</b>                           | 5/9/2025 | 3'         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00192         | <0.00192        | <0.00192             | <0.00384       | <0.00384           | 99.4             |
| <b>CS-33</b>                           | 5/9/2025 | 3'         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 65.3             |
| <b>CS-34</b>                           | 5/9/2025 | 3'         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00175         | <0.00175        | <0.00175             | <0.00350       | <0.00350           | 92.1             |
| <b>CS-35</b>                           | 5/9/2025 | 3'         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 85.3             |
| <b>CS-36</b>                           | 5/9/2025 | 3'         | <49.7       | <49.7 | <49.7 | <49.7 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 82.9             |
| <b>CS-37</b>                           | 5/9/2025 | 3'         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 94.4             |
| <b>CS-38</b>                           | 5/9/2025 | 3'         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 96.7             |
| <b>CS-39</b>                           | 5/9/2025 | 3'         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 90.3             |
| <b>CS-40</b>                           | 5/9/2025 | 3'         | <49.7       | <49.7 | <49.7 | <49.7 | <0.00192         | <0.00192        | <0.00192             | <0.00384       | <0.00384           | 87.0             |
| <b>CS-41</b>                           | 5/9/2025 | 3'         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 91.3             |
| <b>CS-42</b>                           | 5/9/2025 | 3'         | <50.3       | <50.3 | <50.3 | <50.3 | <0.00175         | <0.00175        | <0.00175             | <0.00350       | <0.00350           | 80.4             |
| <b>CS-43</b>                           | 5/9/2025 | 3'         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 86.7             |
| <b>CS-44</b>                           | 5/9/2025 | 3'         | <49.7       | <49.7 | <49.7 | <49.7 | <0.00198         | <0.00198        | <0.00198             | <0.00397       | <0.00397           | 78.6             |
| <b>CS-45</b>                           | 5/9/2025 | 3'         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 89.0             |
| <b>Regulatory Criteria<sup>A</sup></b> |          |            |             |       |       |       | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                      |                | <b>50 mg/kg</b>    | <b>600 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

(CS) Confirmation Sample



**Table 1**  
**Caza Operating, LLC**  
**Slick Mesa 27 State #001H**  
**Lea 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>CS-46</b>                           | 5/9/2025 | 3'         | <50.2       | <50.2 | <50.2 | <50.2 | <0.00192         | <0.00192        | <0.00192             | <0.00384       | <0.00384           | 89.9             |
| <b>CS-47</b>                           | 5/9/2025 | 3'         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 89.8             |
| <b>CS-48</b>                           | 5/9/2025 | 3'         | <49.9       | <49.9 | <49.9 | <49.9 | <0.00175         | <0.00175        | <0.00175             | <0.00350       | <0.00350           | 83.6             |
| <b>CS-49</b>                           | 5/9/2025 | 3'         | <49.7       | <49.7 | <49.7 | <49.7 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 93.6             |
| <b>CS-50</b>                           | 5/9/2025 | 3'         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00198         | <0.00198        | <0.00198             | <0.00397       | <0.00397           | 95.1             |
| <b>CS-51</b>                           | 5/9/2025 | 3'         | <49.9       | <49.9 | <49.9 | <49.9 | 0.0052           | 0.0114          | 0.00263              | <0.00399       | 0.0192             | 98.9             |
| <b>CS-52</b>                           | 5/9/2025 | 3'         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 106              |
| <b>CS-53</b>                           | 5/9/2025 | 3'         | <49.7       | <49.7 | <49.7 | <49.7 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 98.0             |
| <b>CS-54</b>                           | 5/9/2025 | 3'         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00199         | <0.00199        | <0.00199             | 0.00536        | 0.00536            | 83.9             |
| <b>CS-55</b>                           | 5/9/2025 | 3'         | <49.6       | <49.6 | <49.6 | <49.6 | <0.00199         | <0.00199        | 0.00473              | <0.00398       | 0.00473            | 98.0             |
| <b>CS-56</b>                           | 5/9/2025 | 3'         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00198         | <0.00198        | <0.00198             | <0.00397       | <0.00397           | 107              |
| <b>CS-57</b>                           | 5/9/2025 | 3'         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00201         | <0.00201        | 0.00272              | <0.00402       | 0.00584            | 113              |
| <b>CS-58</b>                           | 5/9/2025 | 3'         | <50.0       | <50.0 | <50.0 | <50.0 | <0.00198         | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 101              |
| <b>CS-59</b>                           | 5/9/2025 | 3'         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00199         | <0.00199        | 0.00203              | <0.003698      | 0.00441            | 91.5             |
| <b>CS-60</b>                           | 5/9/2025 | 3'         | <49.7       | <49.7 | <49.7 | <49.7 | <0.00200         | <0.00200        | 0.006                | <0.00399       | 0.00937            | 100              |
| <b>CS-61</b>                           | 5/9/2025 | 3'         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00199         | 0.0032          | <0.00199             | <0.00398       | 0.00534            | 87.8             |
| <b>Regulatory Criteria<sup>A</sup></b> |          |            |             |       |       |       | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                      |                | <b>50 mg/kg</b>    | <b>600 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

(CS) Confirmation Sample

**Table 1**  
**Caza Operating, LLC**  
**Slick Mesa 27 State #001H**  
**Lea 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>SW-1</b>                            | 5/9/2025  | 0.5'       | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200         | 0.00887         | <0.00200             | 0.0162         | 0.0251             | 129              |
| <b>SW-2</b>                            | 5/9/2025  | 0.5'       | <50.1       | <50.1 | <50.1 | <50.1 | <0.00200         | <0.00200        | 0.00304              | <0.00401       | <0.00401           | 122              |
| <b>SW-3</b>                            | 5/9/2025  | 0.5'       | <49.9       | <49.9 | <49.9 | <49.9 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 121              |
| <b>SW-4</b>                            | 5/9/2025  | 2.5'       | <49.8       | <49.8 | <49.8 | <49.8 | 0.0219           | 0.00471         | 0.00351              | 0.00499        | 0.0351             | 115              |
| <b>SW-5</b>                            | 5/9/2025  | 3'         | <50.0       | <50.0 | <50.0 | <50.0 | 0.00375          | <0.00198        | <0.00198             | <0.00396       | 0.00608            | 96.0             |
| <b>SW-6</b>                            | 5/9/2025  | 3'         | <50.1       | <50.1 | <50.1 | <50.1 | <0.00200         | 0.0026          | 0.0072               | 0.0174         | 0.0272             | 113              |
| <b>SW-7</b>                            | 5/9/2025  | 3'         | <50.2       | <50.2 | <50.2 | <50.2 | <0.00201         | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 128              |
| <b>SW-8</b>                            | 5/9/2025  | 3'         | <49.8       | <49.8 | <49.8 | <49.8 | <0.00201         | <0.00201        | 0.00255              | 0.00443        | 0.00698            | 132              |
| <b>SW-9</b>                            | 5/9/2025  | 3'         | <50.0       | <50.0 | <50.0 | <50.0 | 0.0026           | 0.00346         | 0.00203              | 0.00931        | 0.0174             | 124              |
| <b>Backfill Pit</b>                    | 1/21/2025 | -          | <10.0       | <10.0 | <10.0 | <10.0 | <0.050           | <0.050          | <0.050               | <0.050         | <0.300             | 16.0             |
| <b>Regulatory Criteria<sup>A</sup></b> |           |            |             |       |       |       | <b>100 mg/kg</b> | <b>10 mg/kg</b> |                      |                | <b>50 mg/kg</b>    | <b>600 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

(SW) Sidewall Sample

## APPENDIX B

CARMONA RESOURCES



**PHOTOGRAPHIC LOG****Caza Operating, LLC****Photograph No. 1****Facility:** Slick Mesa 27 State #001H**County:** Lea County, New Mexico**Description:**

View Northwest, area of CS-1 through CS-12

**Photograph No. 2****Facility:** Slick Mesa 27 State #001H**County:** Lea County, New Mexico**Description:**

View North, area of CS-13 through CS-20

**Photograph No. 3****Facility:** Slick Mesa 27 State #001H**County:** Lea County, New Mexico**Description:**

View Southeast, area CS-21 through CS-30





**PHOTOGRAPHIC LOG****Caza Operating, LLC****Photograph No. 4****Facility:** Slick Mesa 27 State #001H**County:** Lea County, New Mexico**Description:**

View Southwest, area of CS-31 through CS-45

**Photograph No. 5****Facility:** Slick Mesa 27 State #001H**County:** Lea County, New Mexico**Description:**

View Northwest, area of CS-46 through CS-61

**Photograph No. 6****Facility:** Slick Mesa 27 State #001H**County:** Lea County, New Mexico**Description:**

View North, of backfilled area





**PHOTOGRAPHIC LOG****Caza Operating, LLC****Photograph No. 7****Facility:** Slick Mesa 27 State #001H**County:** Lea County, New Mexico**Description:**

View North, of backfilled area

**Photograph No. 8****Facility:** Slick Mesa 27 State #001H**County:** Lea County, New Mexico**Description:**

View Southeast, of backfilled area

**Photograph No. 9****Facility:** Slick Mesa 27 State #001H**County:** Lea County, New Mexico**Description:**

View East, of backfilled area



## 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  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011  
Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

## Release Notification and Corrective Action

### OPERATOR

☐ Initial Report ☐ Final Report

|                 |               |
|-----------------|---------------|
| Name of Company | Contact       |
| Address         | Telephone No. |
| Facility Name   | Facility Type |
| Surface Owner   | Mineral Owner |
| API No.         |               |

### LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| F           |         |          |       |               |                  |               |                |        |

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

### NATURE OF RELEASE

|                                                                                                                               |                                           |                            |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------|
| Type of Release                                                                                                               | Volume of Release                         | Volume Recovered           |
| Source of Release                                                                                                             | Date and Hour of Occurrence               | Date and Hour of Discovery |
| Was Immediate Notice Given?<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?                          |                            |
| By Whom?                                                                                                                      | Date and Hour                             |                            |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input type="checkbox"/> No                                        | If YES, Volume Impacting the Watercourse. |                            |

If a Watercourse was Impacted, Describe Fully.\*

**RECEIVED**

By Olivia Yu at 10:12 am, May 31, 2018

Describe Cause of Problem and Remedial Action Taken.\*

Describe Area Affected and Cleanup Action Taken.\*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

|                 |                          |                                                                                                                             |                                              |
|-----------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Signature:      |                          | <u>OIL CONSERVATION DIVISION</u>                                                                                            |                                              |
| Printed Name:   |                          | Approved by Environmental Specialist:  |                                              |
| Title:          | Approval Date: 5/31/2018 | Expiration Date:                                                                                                            |                                              |
| E-mail Address: | Conditions of Approval:  |                                                                                                                             | Attached <input checked="" type="checkbox"/> |
| Date:           | Phone:                   | see attached directive                                                                                                      |                                              |

\* Attach Additional Sheets If Necessary

1RP-5076

nOY1815137332

pOY1815138034



Operator/Responsible Party,

The OCD has received the form C-141 you provided on \_5/25/2018\_ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number \_1RP-5076\_\_ has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

*The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]*

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District \_1\_ office in \_\_Hobbs\_\_ on or before \_6/30/2018\_. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

**Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.**

**Jim Griswold**

OCD Environmental Bureau Chief  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505  
505-476-3465  
jim.griswold@state.nm.us

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 459429

**QUESTIONS**

|                                                                           |                                                            |
|---------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br>249099                                           |
|                                                                           | Action Number:<br>459429                                   |
|                                                                           | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

| Prerequisites    |                                               |
|------------------|-----------------------------------------------|
| Incident ID (n#) | nOY1815137332                                 |
| Incident Name    | NOY1815137332 2018 MAJOR A SWS @ 30-025-30587 |
| Incident Type    | Produced Water Release                        |
| Incident Status  | Initial C-141 Approved                        |
| Incident Well    | [30-025-30587] SLICK MESA 27 STATE #001H      |

| Location of Release Source |              |
|----------------------------|--------------|
| Site Name                  | Unavailable. |
| Date Release Discovered    | 05/19/2018   |
| Surface Owner              | State        |

| Sampling Event General Information                                                              |                                |
|-------------------------------------------------------------------------------------------------|--------------------------------|
| <i>Please answer all the questions in this group.</i>                                           |                                |
| What is the sampling surface area in square feet                                                | 12,091                         |
| What is the estimated number of samples that will be gathered                                   | 70                             |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 05/09/2025                     |
| Time sampling will commence                                                                     | 08:00 AM                       |
| Please provide any information necessary for observers to contact samplers                      | Carmona Resources - 4328136823 |
| Please provide any information necessary for navigation to sampling site                        | 32.479923, -103.425427         |

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 459429

CONDITIONS

|                                                                           |                                                            |
|---------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br>249099                                           |
|                                                                           | Action Number:<br>459429                                   |
|                                                                           | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

CONDITIONS

| Created By | Condition                                                                                                                                                                                             | Condition Date |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| tberry     | Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted. | 5/6/2025       |





Stephanie Garcia Richard, Commissioner of Public Lands  
State of New Mexico

## NMSLO Cultural Resources Cover Sheet Exhibit

**NMCRIS Activity Number:**

(if applicable)

**Exhibit Type** (select one)

**ARMS Inspection/Review** - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

**Archaeological Survey**

**Findings:**

**Negative** - No further archaeological review is required.

**Positive** - Have avoidance and protection measures been devised? Select one:

**Comments:**

**Project Details:**

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

**Project Location:**

County(ies):

PLSS/Section/Township/Range):

---

**For NMSLO Agency Use Only:**

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

---

*No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.*

Form Revised 12 22

## APPENDIX D

CARMONA RESOURCES



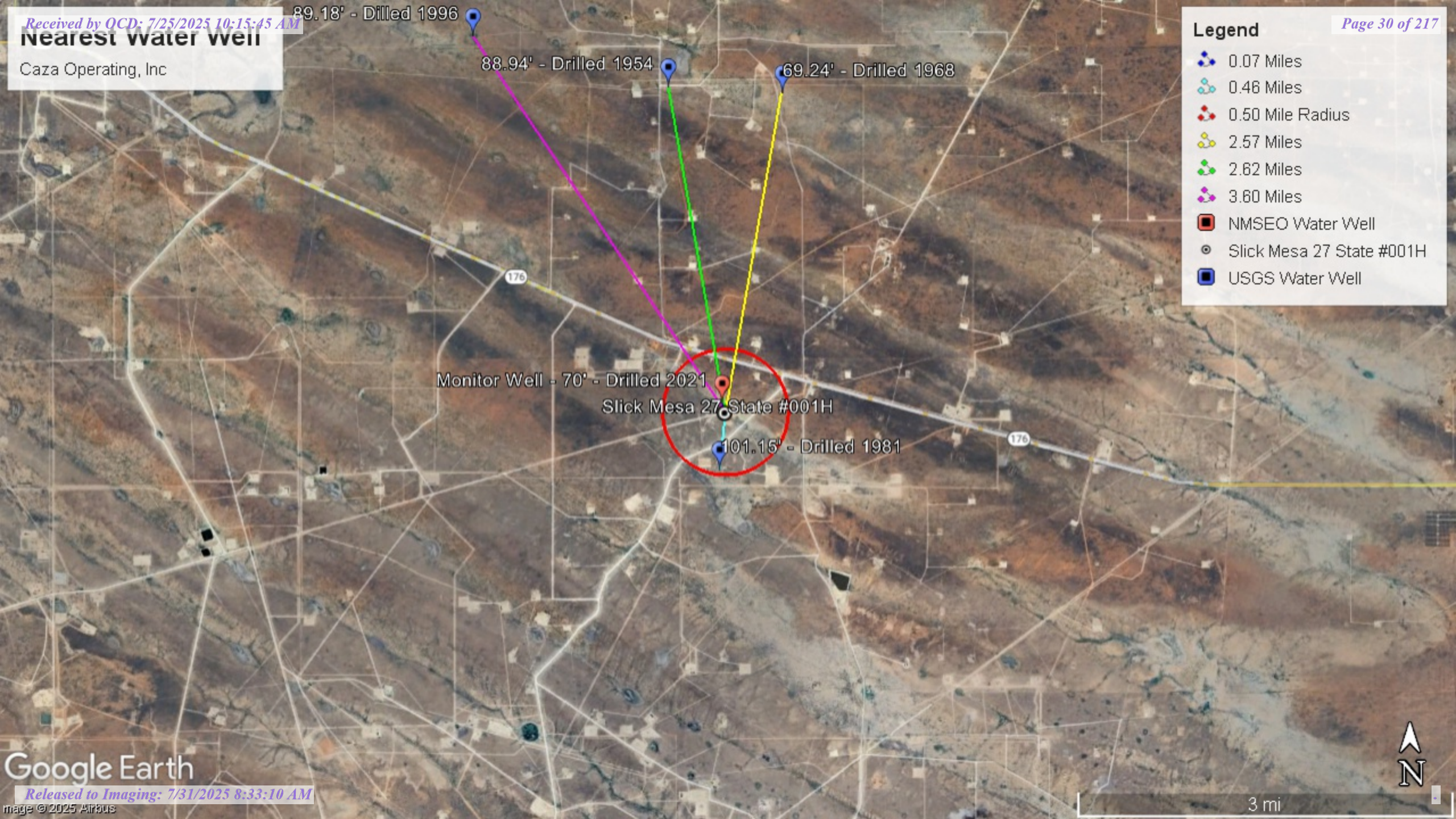


**Nearest water well**

Caza Operating, Inc

**Legend**

- 0.07 Miles
- 0.46 Miles
- 0.50 Mile Radius
- 2.57 Miles
- 2.62 Miles
- 3.60 Miles
- NMSEO Water Well
- Slick Mesa 27 State #001H
- USGS Water Well





Low Karst

Caza Operating, Inc

Legend

Low

Slick Mesa 27 State #001H







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 smallest to largest)

| POD Number                    | Code | Sub basin | County | Q64 | Q16 | Q4 | Sec | Tws | Range | X        | Y           | Map | (meters) | (In feet)  |             |              |
|-------------------------------|------|-----------|--------|-----|-----|----|-----|-----|-------|----------|-------------|-----|----------|------------|-------------|--------------|
|                               |      |           |        |     |     |    |     |     |       |          |             |     | Distance | Well Depth | Depth Water | Water Column |
| <a href="#">CP 01848 POD3</a> | O    | CP        | LE     | NE  | SE  | NW | 13  | 21S | 34E   | 647904.0 | 3594858.9   |     | 119      | 87         | 70          | 17           |
| <a href="#">CP 00089</a>      |      | CP        | LE     |     | NE  | NW | 13  | 21S | 34E   | 647840.0 | 3594615.3   |     | 172      | 235        |             |              |
| <a href="#">CP 01848 POD2</a> |      | CP        | LE     | SE  | SW  | NW | 13  | 21S | 34E   | 647586.8 | 3594789.6   |     | 364      | 96         | 80          | 16           |
| <a href="#">CP 00939 POD1</a> |      | CP        | LE     | SE  | NW  | NE | 07  | 21S | 35E   | 649974.0 | 3596760.0 * |     | 2853     | 400        | 165         | 235          |
| <a href="#">CP 00940 POD1</a> |      | CP        | LE     | SE  | NW  | NE | 07  | 21S | 35E   | 649974.0 | 3596760.0 * |     | 2853     | 400        | 165         | 235          |
| <a href="#">CP 00590 POD1</a> |      | CP        | LE     |     |     |    | 01  | 21S | 34E   | 648099.0 | 3597829.0 * |     | 3083     | 79         |             |              |
| <a href="#">CP 00092 POD1</a> |      | CP        | LE     | NW  | SW  | NW | 25  | 21S | 34E   | 647479.0 | 3591694.0 * |     | 3090     | 196        |             |              |
| <a href="#">CP 01801 POD1</a> |      | CP        | LE     | SW  | SW  | NW | 30  | 21S | 35E   | 649052.5 | 3591562.1   |     | 3372     | 140        | 48          | 92           |
| <a href="#">CP 00755</a>      |      | CP        | LE     | NW  | SW  | SE | 17  | 21S | 35E   | 651427.0 | 3594168.0 * |     | 3525     | 200        |             |              |
| <a href="#">CP 00667</a>      |      | CP        | LE     |     | NE  | SW | 20  | 21S | 35E   | 651144.0 | 3592857.0 * |     | 3712     | 85         |             |              |
| <a href="#">CP 01970 POD1</a> |      | CP        | LE     | NW  | SW  | SE | 01  | 21S | 34E   | 648222.8 | 3598476.6   |     | 3737     | 55         |             |              |
| <a href="#">CP 01805 POD1</a> |      | CP        | LE     | SW  | NW  | SW | 30  | 21S | 35E   | 649025.0 | 3591127.3   |     | 3777     | 140        | 50          | 90           |
| <a href="#">CP 01716 POD1</a> |      | CP        | LE     | SW  | NE  | SW | 30  | 21S | 35E   | 649394.9 | 3591195.7   |     | 3835     | 236        | 50          | 186          |
| <a href="#">CP 01200 POD1</a> |      | CP        | LE     | SW  | NE  | SW | 30  | 21S | 35E   | 649464.7 | 3591135.7   |     | 3918     | 200        | 45          | 155          |
| <a href="#">CP 00917 POD1</a> |      | CP        | LE     | SW  | NE  | SW | 30  | 21S | 35E   | 649458.0 | 3591124.0   |     | 3926     | 146        | 40          | 106          |
| <a href="#">CP 01717 POD1</a> |      | CP        | LE     | NE  | SW  | SW | 30  | 21S | 35E   | 649217.5 | 3591004.5   |     | 3953     | 155        | 52          | 103          |

Average Depth to Water: 76 feet

Minimum Depth: 40 feet

Maximum Depth: 165 feet

Record Count: 16

UTM Filters (in meters):

Easting: 647949.46

Northing: 3594748.89

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.



# WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

**www.ose.state.nm.us**

|                                                                                                                                                           |                                                                                                                                                                                             |               |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------|------------------------------------------------------------------------|---------------------------------------------------|-------------------------------------------|--|
| 1. GENERAL AND WELL LOCATION                                                                                                                              | OSE POD NO. (WELL NO.)<br>POD3 (MW-3)                                                                                                                                                       |               |                                              | WELL TAG ID NO.<br>n/a                                                                          |                                                         | OSE FILE NO(S).<br>CP-1848         |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           | WELL OWNER NAME(S)<br>Permina Water Solutions                                                                                                                                               |               |                                              |                                                                                                 |                                                         | PHONE (OPTIONAL)                   |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           | WELL OWNER MAILING ADDRESS<br>415 W Wall St                                                                                                                                                 |               |                                              |                                                                                                 |                                                         | CITY<br>Midland                    |                                                                        | STATE<br>TX                                       | ZIP<br>79707                              |  |
|                                                                                                                                                           | WELL LOCATION<br>(FROM GPS)                                                                                                                                                                 | DEGREES<br>32 |                                              | MINUTES<br>28                                                                                   | SECONDS<br>52.08                                        | N                                  | * ACCURACY REQUIRED: ONE TENTH OF A SECOND<br>* DATUM REQUIRED: WGS 84 |                                                   |                                           |  |
|                                                                                                                                                           |                                                                                                                                                                                             | LATITUDE      |                                              | LONGITUDE                                                                                       |                                                         |                                    |                                                                        |                                                   |                                           |  |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE<br>NE SE NW Sec. 13 T21S R34E |                                                                                                                                                                                             |               |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |
| 2. DRILLING & CASING INFORMATION                                                                                                                          | LICENSE NO.<br>1249                                                                                                                                                                         |               | NAME OF LICENSED DRILLER<br>Jackie D. Atkins |                                                                                                 |                                                         |                                    | NAME OF WELL DRILLING COMPANY<br>Atkins Engineering Associates, Inc.   |                                                   |                                           |  |
|                                                                                                                                                           | DRILLING STARTED<br>08/19/2021                                                                                                                                                              |               | DRILLING ENDED<br>08/19/2021                 |                                                                                                 | DEPTH OF COMPLETED WELL (FT)<br>87                      |                                    | BORE HOLE DEPTH (FT)<br>87                                             |                                                   | DEPTH WATER FIRST ENCOUNTERED (FT)<br>±70 |  |
|                                                                                                                                                           | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)                                             |               |                                              |                                                                                                 |                                                         |                                    |                                                                        | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br>68.9 |                                           |  |
|                                                                                                                                                           | DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:                                                                                              |               |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           | DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Hollow Stem Auger |               |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           | DEPTH (feet bgl)                                                                                                                                                                            |               | BORE HOLE<br>DIAM<br>(inches)                | CASING MATERIAL AND/OR<br>GRADE<br>(include each casing string, and<br>note sections of screen) | CASING<br>CONNECTION<br>TYPE<br>(add coupling diameter) | CASING<br>INSIDE DIAM.<br>(inches) | CASING WALL<br>THICKNESS<br>(inches)                                   | SLOT<br>SIZE<br>(inches)                          |                                           |  |
|                                                                                                                                                           | FROM                                                                                                                                                                                        | TO            |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           | +3                                                                                                                                                                                          | 67            | ±8.5                                         | 2" Sch 40 PVC Riser                                                                             | Flush Treaded 2 TPI                                     | 2.067                              | 0.154                                                                  | –                                                 |                                           |  |
|                                                                                                                                                           | 67                                                                                                                                                                                          | –             | ±8.5                                         | 3" Sch 40 PVC Pre PackScreen                                                                    | Flush Treaded 2 TPI                                     | 3.042                              | 0.216                                                                  | 0.010                                             |                                           |  |
|                                                                                                                                                           | –                                                                                                                                                                                           | 87            | –                                            | with inner 2" Sch 40 PVC Screen                                                                 | –                                                       | 2.067                              | 0.154                                                                  | 0.010                                             |                                           |  |
|                                                                                                                                                           |                                                                                                                                                                                             |               |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           |                                                                                                                                                                                             |               |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           |                                                                                                                                                                                             |               |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           |                                                                                                                                                                                             |               |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           |                                                                                                                                                                                             |               |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           |                                                                                                                                                                                             |               |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           |                                                                                                                                                                                             |               |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |
| 3. ANNULAR MATERIAL                                                                                                                                       | DEPTH (feet bgl)                                                                                                                                                                            |               | BORE HOLE<br>DIAM. (inches)                  | LIST ANNULAR SEAL MATERIAL AND<br>GRAVEL PACK SIZE-RANGE BY INTERVAL                            | AMOUNT<br>(cubic feet)                                  | METHOD OF<br>PLACEMENT             |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           | FROM                                                                                                                                                                                        | TO            |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           | 0                                                                                                                                                                                           | 1             | ±8.5                                         | Quick Crete 5000 PSI                                                                            | ±1.8                                                    | from surface                       |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           | 1                                                                                                                                                                                           | 59            | ±8.5                                         | Portland Neat Cement                                                                            | ±20.6                                                   | through HSA                        |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           | 59                                                                                                                                                                                          | 62            | ±8.5                                         | Bentonite Pellets                                                                               | ±1.4                                                    | through HSA                        |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           | 62                                                                                                                                                                                          | 87            | ±8.5                                         | 12/20 Silica Sand                                                                               | ±4.7                                                    | through HSA                        |                                                                        |                                                   |                                           |  |
|                                                                                                                                                           |                                                                                                                                                                                             |               |                                              |                                                                                                 |                                                         |                                    |                                                                        |                                                   |                                           |  |

~~FOR OSE INTERNAL USE~~

WR-20 WELL RECORD &amp; LOG (Version 06/30/17)

|                          |                   |                                            |             |
|--------------------------|-------------------|--------------------------------------------|-------------|
| FOR USE INTERMEDIATE USE |                   | WR-20 WELL RECORD & LOG (version 06/30/17) |             |
| FILE NO.                 | CP-1848           | POD NO.                                    | 3           |
| LOCATION                 | 21S. 34E. 13. 142 | TRN NO.                                    | 102134      |
|                          |                   | WELL TAG ID NO.                            | —           |
|                          |                   |                                            | PAGE 1 OF 2 |

| <b>4. HYDROGEOLOGIC LOG OF WELL</b>                                                                                                                                    | DEPTH (feet bgl)                                                                                                                                                                                                                                                                                            |           | THICKNESS<br>(feet)                                                                                                                                                                       | COLOR AND TYPE OF MATERIAL ENCOUNTERED -<br>INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES<br>(attach supplemental sheets to fully describe all units) | WATER<br>BEARING?<br>(YES / NO) | ESTIMATED<br>YIELD FOR<br>WATER-<br>BEARING<br>ZONES (gpm) |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------|--|
|                                                                                                                                                                        | FROM                                                                                                                                                                                                                                                                                                        | TO        |                                                                                                                                                                                           |                                                                                                                                                          |                                 |                                                            |  |
|                                                                                                                                                                        | 0                                                                                                                                                                                                                                                                                                           | 15        | 15                                                                                                                                                                                        | Sand, Fine-grained, with well sorted gravel , Brown / Black                                                                                              | Y    ✓ N                        |                                                            |  |
|                                                                                                                                                                        | 15                                                                                                                                                                                                                                                                                                          | 40        | 25                                                                                                                                                                                        | Caliche with fine grain sand, Gray / Black , Dry                                                                                                         | Y    ✓ N                        |                                                            |  |
|                                                                                                                                                                        | 40                                                                                                                                                                                                                                                                                                          | 45        | 5                                                                                                                                                                                         | Silty Sand, poorly sorted, Dark Brown                                                                                                                    | Y    ✓ N                        |                                                            |  |
|                                                                                                                                                                        | 45                                                                                                                                                                                                                                                                                                          | 65        | 20                                                                                                                                                                                        | Silty Sand, very fine grain, poorly sorted, Light Brown , Dry                                                                                            | Y    ✓ N                        |                                                            |  |
|                                                                                                                                                                        | 65                                                                                                                                                                                                                                                                                                          | 87        | 22                                                                                                                                                                                        | Silty Sand, very fine grain, poorly sorted, Light Brown , Moist                                                                                          | ✓ Y    N                        |                                                            |  |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          | Y    N                          |                                                            |  |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          | Y    N                          |                                                            |  |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          | Y    N                          |                                                            |  |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          | Y    N                          |                                                            |  |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          | Y    N                          |                                                            |  |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          | Y    N                          |                                                            |  |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          | Y    N                          |                                                            |  |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          | Y    N                          |                                                            |  |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          | Y    N                          |                                                            |  |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          | Y    N                          |                                                            |  |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          | Y    N                          |                                                            |  |
|                                                                                                                                                                        | METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:<br><input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:                                                                                                         |           |                                                                                                                                                                                           |                                                                                                                                                          |                                 | TOTAL ESTIMATED<br>WELL YIELD (gpm):                0.00   |  |
|                                                                                                                                                                        | <b>5. TEST; RIG SUPERVISION</b>                                                                                                                                                                                                                                                                             | WELL TEST | TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. |                                                                                                                                                          |                                 |                                                            |  |
| MISCELLANEOUS INFORMATION: Monitoring well, above ground completion, no pump test.<br>Logs adapted from Tetra Tech field notes                                         |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          |                                 |                                                            |  |
| USE DJJ SEP 13 2021 PM 1:23                                                                                                                                            |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          |                                 |                                                            |  |
| PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:<br>Shane Eldridge, Cameron Pruitt, Carmelo Travino |                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                           |                                                                                                                                                          |                                 |                                                            |  |
| <b>6. SIGNATURE</b>                                                                                                                                                    | THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: |           |                                                                                                                                                                                           |                                                                                                                                                          |                                 |                                                            |  |
|                                                                                                                                                                        | <br>_____<br>SIGNATURE OF DRILLER / PRINT SIGNED NAME                                                                                                                                                                    |           |                                                                                                                                                                                           | Jackie D. Atkins<br>_____<br>DATE                                                                                                                        |                                 |                                                            |  |

|                      |                |                                              |             |
|----------------------|----------------|----------------------------------------------|-------------|
| FOR OSE INTERNAL USE |                | WR-20 WELL RECORD & LOG (Version 06/30/2017) |             |
| FILE NO.             | POD NO.        | TRN NO.                                      |             |
| LOCATION             | WELL TAG ID NO |                                              | PAGE 2 OF 2 |

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

New Mexico

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Agency code = usgs

site\_no list =

- 322824103253301

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

USGS 322824103253301 21S.34E.13.32413

Lea County, New Mexico  
Latitude 32°28'24", Longitude 103°25'33" NAD27  
Land-surface elevation 3,650 feet above NAVD88  
The depth of the well is 335 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source of<br>measurement |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|
| 1976-12-15 |      |                                           | D                      | 62610                                               | 3545.68                                                           | NGVD29                          | 1           |                               | Z                        |                               |
| 1976-12-15 |      |                                           | D                      | 62611                                               | 3547.24                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1976-12-15 |      |                                           | D                      | 72019                                               | 102.76                                                            |                                 | 1           |                               | Z                        |                               |
| 1981-03-05 |      |                                           | D                      | 62610                                               | 3547.29                                                           | NGVD29                          | 1           |                               | Z                        |                               |
| 1981-03-05 |      |                                           | D                      | 62611                                               | 3548.85                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1981-03-05 |      |                                           | D                      | 72019                                               | 101.15                                                            |                                 | 1           |                               | Z                        |                               |
| 1986-03-20 |      |                                           | D                      | 62610                                               | 3547.68                                                           | NGVD29                          | 1           |                               | Z                        |                               |
| 1986-03-20 |      |                                           | D                      | 62611                                               | 3549.24                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1986-03-20 |      |                                           | D                      | 72019                                               | 100.76                                                            |                                 | 1           |                               | Z                        |                               |

| Explanation                    |      |                             |
|--------------------------------|------|-----------------------------|
| Section                        | Code | Description                 |
| Water-level date-time accuracy | D    | Date is accurate to the Day |



| Section                                     | Code                   | Description                                                                  |
|---------------------------------------------|------------------------|------------------------------------------------------------------------------|
| Parameter code                              | 62610                  | Groundwater level above NGVD 1929, feet                                      |
| <a href="#">Parameter code</a>              | <a href="#">62611</a>  | <a href="#">Groundwater level above NAVD 1988, feet</a>                      |
| Parameter code                              | 72019                  | Depth to water level, feet below land surface                                |
| <a href="#">Referenced vertical datum</a>   | <a href="#">NAVD88</a> | <a href="#">North American Vertical Datum of 1988</a>                        |
| Referenced vertical datum                   | NGVD29                 | National Geodetic Vertical Datum of 1929                                     |
| <a href="#">Status</a>                      | 1                      | <a href="#">Static</a>                                                       |
| Method of measurement                       | Z                      | Other.                                                                       |
| <a href="#">Measuring agency</a>            |                        | <a href="#">Not determined</a>                                               |
| Source of measurement                       |                        | Not determined                                                               |
| <a href="#">Water-level approval status</a> | A                      | <a href="#">Approved for publication -- Processing and review completed.</a> |

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



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0.33 0.26 nadww02



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Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 323032103250401

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

USGS 323032103250401 21S.34E.01.24122

Lea County, New Mexico  
Latitude 32°31'00", Longitude 103°25'02" NAD27  
Land-surface elevation 3,662.00 feet above NGVD29  
The depth of the well is 110 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source of<br>measurement |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|
|            |      |                                           |                        |                                                     |                                                                   |                                 |             |                               |                          |                               |
| 1968-03-28 |      |                                           | D 62610                |                                                     | 3592.76                                                           | NGVD29                          | P           |                               | Z                        |                               |
| 1968-03-28 |      |                                           | D 62611                |                                                     | 3594.27                                                           | NAVD88                          | P           |                               | Z                        |                               |
| 1968-03-28 |      |                                           | D 72019                | 69.24                                               |                                                                   |                                 | P           |                               | Z                        |                               |
| 1971-02-10 |      |                                           | D 62610                |                                                     | 3593.08                                                           | NGVD29                          | 1           |                               | Z                        |                               |
| 1971-02-10 |      |                                           | D 62611                |                                                     | 3594.59                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1971-02-10 |      |                                           | D 72019                | 68.92                                               |                                                                   |                                 | 1           |                               | Z                        |                               |
| 1976-12-15 |      |                                           | D 62610                |                                                     | 3593.71                                                           | NGVD29                          | 1           |                               | Z                        |                               |
| 1976-12-15 |      |                                           | D 62611                |                                                     | 3595.22                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1976-12-15 |      |                                           | D 72019                | 68.29                                               |                                                                   |                                 | 1           |                               | Z                        |                               |
| 1981-03-05 |      |                                           | D 62610                |                                                     | 3593.74                                                           | NGVD29                          | 1           |                               | Z                        |                               |
| 1981-03-05 |      |                                           | D 62611                |                                                     | 3595.25                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1981-03-05 |      |                                           | D 72019                | 68.26                                               |                                                                   |                                 | 1           |                               | Z                        |                               |
| 1986-03-19 |      |                                           | D 62610                |                                                     | 3593.70                                                           | NGVD29                          | 1           |                               | Z                        |                               |
| 1986-03-19 |      |                                           | D 62611                |                                                     | 3595.21                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1986-03-19 |      |                                           | D 72019                | 68.30                                               |                                                                   |                                 | 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 of<br>measurement |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|
| 1991-05-07 |      |                                           | D                      | 62610                                               | 3593.60                                                           | NGVD29                          | 1           |                               | Z                        |                               |
| 1991-05-07 |      |                                           | D                      | 62611                                               | 3595.11                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1991-05-07 |      |                                           | D                      | 72019                                               | 68.40                                                             |                                 | 1           |                               | Z                        |                               |
| 1996-02-22 |      |                                           | D                      | 62610                                               | 3593.95                                                           | NGVD29                          | 1           |                               | S                        |                               |
| 1996-02-22 |      |                                           | D                      | 62611                                               | 3595.46                                                           | NAVD88                          | 1           |                               | S                        |                               |
| 1996-02-22 |      |                                           | D                      | 72019                                               | 68.05                                                             |                                 | 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                                                       |
| Status                         | P      | Pumping                                                      |
| Method of measurement          | S      | Steel-tape measurement.                                      |
| Method of measurement          | Z      | Other.                                                       |
| Measuring agency               |        | Not determined                                               |
| Source of measurement          |        | Not determined                                               |
| Water-level approval status    | A      | Approved for publication -- Processing and review completed. |

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National Water Information System: Web Interface

USGS Water Resources

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Geographic Area:  
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Agency code = usgs

site\_no list =

- 323104103260001

Minimum number of levels = 1  
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USGS 323104103260001 20S.35E.35.33432

Lea County, New Mexico  
Latitude 32°31'04", Longitude 103°26'00" NAD27  
Land-surface elevation 3,699 feet above NAVD88  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Ogallala Formation (121OGLL) 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-<br>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 (measur |
|------------|------|-----------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|---------------------|
|            |      |                                               |                        |                                                     |                                                                   |                                 |             |                               |                          |                     |
| 1961-03-08 |      |                                               | D 62610                |                                                     | 3614.17                                                           | NGVD29                          | 1           |                               | Z                        |                     |
| 1961-03-08 |      |                                               | D 62611                |                                                     | 3615.70                                                           | NAVD88                          | 1           |                               | Z                        |                     |
| 1961-03-08 |      |                                               | D 72019                | 83.30                                               |                                                                   |                                 | 1           |                               | Z                        |                     |
| 1966-03-08 |      |                                               | D 62610                |                                                     | 3608.78                                                           | NGVD29                          | P           |                               | Z                        |                     |
| 1966-03-08 |      |                                               | D 62611                |                                                     | 3610.31                                                           | NAVD88                          | P           |                               | Z                        |                     |
| 1966-03-08 |      |                                               | D 72019                | 88.69                                               |                                                                   |                                 | P           |                               | Z                        |                     |
| 1968-04-17 |      |                                               | D 62610                |                                                     | 3614.59                                                           | NGVD29                          | P           |                               | Z                        |                     |
| 1968-04-17 |      |                                               | D 62611                |                                                     | 3616.12                                                           | NAVD88                          | P           |                               | Z                        |                     |
| 1968-04-17 |      |                                               | D 72019                | 82.88                                               |                                                                   |                                 | P           |                               | Z                        |                     |
| 1971-01-26 |      |                                               | D 62610                |                                                     | 3613.93                                                           | NGVD29                          | 1           |                               | Z                        |                     |
| 1971-01-26 |      |                                               | D 62611                |                                                     | 3615.46                                                           | NAVD88                          | 1           |                               | Z                        |                     |
| 1971-01-26 |      |                                               | D 72019                | 83.54                                               |                                                                   |                                 | 1           |                               | Z                        |                     |
| 1976-02-18 |      |                                               | D 62610                |                                                     | 3616.64                                                           | NGVD29                          | 1           |                               | Z                        |                     |
| 1976-02-18 |      |                                               | D 62611                |                                                     | 3618.17                                                           | NAVD88                          | 1           |                               | Z                        |                     |
| 1976-02-18 |      |                                               | D 72019                | 80.83                                               |                                                                   |                                 | 1           |                               | Z                        |                     |
| 1981-02-18 |      |                                               | D 62610                |                                                     | 3615.99                                                           | NGVD29                          | 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 of<br>measurement |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|
| 1981-02-18 |      |                                           | D                      | 62611                                               | 3617.52                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1981-02-18 |      |                                           | D                      | 72019                                               | 81.48                                                             |                                 | 1           |                               | Z                        |                               |
| 1986-04-09 |      |                                           | D                      | 62610                                               | 3615.87                                                           | NGVD29                          | 1           |                               | Z                        |                               |
| 1986-04-09 |      |                                           | D                      | 62611                                               | 3617.40                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1986-04-09 |      |                                           | D                      | 72019                                               | 81.60                                                             |                                 | 1           |                               | Z                        |                               |

| 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                                                       |
| Status                         | P      | Pumping                                                      |
| 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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**URL:** <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 323106103273401

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

USGS 323106103273401 20S.35E.33.43413

Lea County, New Mexico  
Latitude 32°31'24", Longitude 103°27'36" NAD27  
Land-surface elevation 3,699.00 feet above NGVD29  
The depth of the well is 135 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Ogallala Formation (121OGLL) 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 (measur |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|---------------------|
|            |      |                                           |                        |                                                     |                                                                   |                                 |             |                               |                          |                     |
| 1954-06-25 |      |                                           | D 62610                |                                                     | 3604.70                                                           | NGVD29                          | P           |                               | Z                        |                     |
| 1954-06-25 |      |                                           | D 62611                |                                                     | 3606.25                                                           | NAVD88                          | P           |                               | Z                        |                     |
| 1954-06-25 |      |                                           | D 72019                | 94.30                                               |                                                                   |                                 | P           |                               | Z                        |                     |
| 1961-03-08 |      |                                           | D 62610                |                                                     | 3606.11                                                           | NGVD29                          | 1           |                               | Z                        |                     |
| 1961-03-08 |      |                                           | D 62611                |                                                     | 3607.66                                                           | NAVD88                          | 1           |                               | Z                        |                     |
| 1961-03-08 |      |                                           | D 72019                | 92.89                                               |                                                                   |                                 | 1           |                               | Z                        |                     |
| 1966-03-09 |      |                                           | D 62610                |                                                     | 3602.87                                                           | NGVD29                          | 1           |                               | Z                        |                     |
| 1966-03-09 |      |                                           | D 62611                |                                                     | 3604.42                                                           | NAVD88                          | 1           |                               | Z                        |                     |
| 1966-03-09 |      |                                           | D 72019                | 96.13                                               |                                                                   |                                 | 1           |                               | Z                        |                     |
| 1968-04-17 |      |                                           | D 62610                |                                                     | 3607.40                                                           | NGVD29                          | P           |                               | Z                        |                     |
| 1968-04-17 |      |                                           | D 62611                |                                                     | 3608.95                                                           | NAVD88                          | P           |                               | Z                        |                     |
| 1968-04-17 |      |                                           | D 72019                | 91.60                                               |                                                                   |                                 | P           |                               | Z                        |                     |
| 1971-01-26 |      |                                           | D 62610                |                                                     | 3607.42                                                           | NGVD29                          | 1           |                               | Z                        |                     |
| 1971-01-26 |      |                                           | D 62611                |                                                     | 3608.97                                                           | NAVD88                          | 1           |                               | Z                        |                     |
| 1971-01-26 |      |                                           | D 72019                | 91.58                                               |                                                                   |                                 | 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 of<br>measurement |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|
| 1976-02-18 |      |                                           | D                      | 62610                                               | 3608.88                                                           | NGVD29                          | 1           |                               | Z                        |                               |
| 1976-02-18 |      |                                           | D                      | 62611                                               | 3610.43                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1976-02-18 |      |                                           | D                      | 72019                                               | 90.12                                                             |                                 | 1           |                               | Z                        |                               |
| 1981-02-18 |      |                                           | D                      | 62610                                               | 3609.12                                                           | NGVD29                          | 1           |                               | Z                        |                               |
| 1981-02-18 |      |                                           | D                      | 62611                                               | 3610.67                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1981-02-18 |      |                                           | D                      | 72019                                               | 89.88                                                             |                                 | 1           |                               | Z                        |                               |
| 1986-04-09 |      |                                           | D                      | 62610                                               | 3609.70                                                           | NGVD29                          | 1           |                               | Z                        |                               |
| 1986-04-09 |      |                                           | D                      | 62611                                               | 3611.25                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1986-04-09 |      |                                           | D                      | 72019                                               | 89.30                                                             |                                 | 1           |                               | Z                        |                               |
| 1991-07-03 |      |                                           | D                      | 62610                                               | 3609.80                                                           | NGVD29                          | 1           |                               | Z                        |                               |
| 1991-07-03 |      |                                           | D                      | 62611                                               | 3611.35                                                           | NAVD88                          | 1           |                               | Z                        |                               |
| 1991-07-03 |      |                                           | D                      | 72019                                               | 89.20                                                             |                                 | 1           |                               | Z                        |                               |
| 1996-02-02 |      |                                           | D                      | 62610                                               | 3609.82                                                           | NGVD29                          | 1           |                               | S                        |                               |
| 1996-02-02 |      |                                           | D                      | 62611                                               | 3611.37                                                           | NAVD88                          | 1           |                               | S                        |                               |
| 1996-02-02 |      |                                           | D                      | 72019                                               | 89.18                                                             |                                 | 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                                                       |
| Status                         | P      | Pumping                                                      |
| Method of measurement          | S      | Steel-tape measurement.                                      |
| Method of measurement          | Z      | Other.                                                       |
| Measuring agency               |        | Not determined                                               |
| Source of measurement          |        | Not determined                                               |
| Water-level approval status    | A      | Approved for publication -- Processing and review completed. |

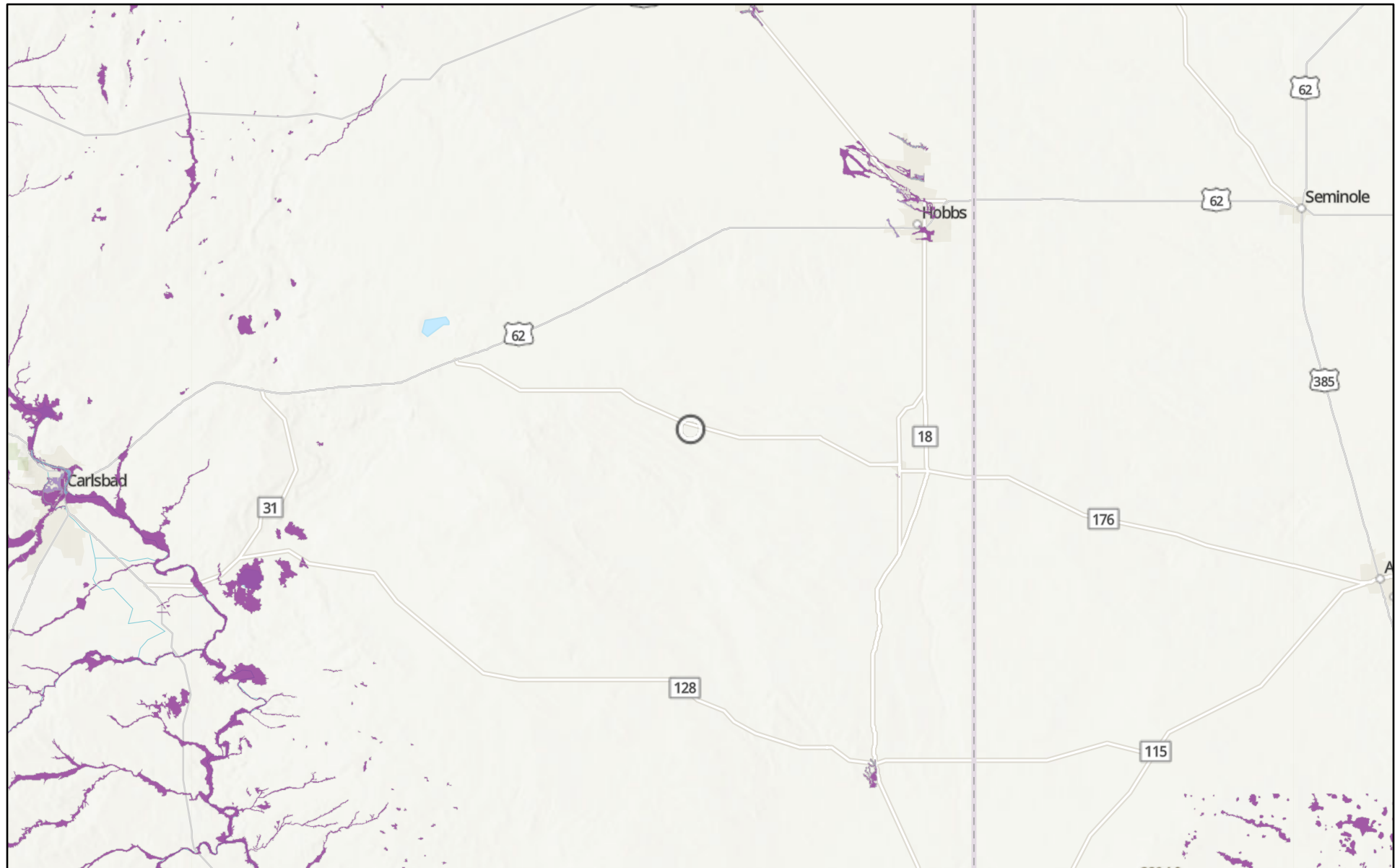
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**URL:** <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



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## Slick Mesa 27 State #001H



5/7/2025

USA Flood Hazard Areas

0.2% Annual Chance Flood Hazard

1% Annual Chance Flood Hazard

Regulatory Floodway

World\_Hillshade

1:775,685

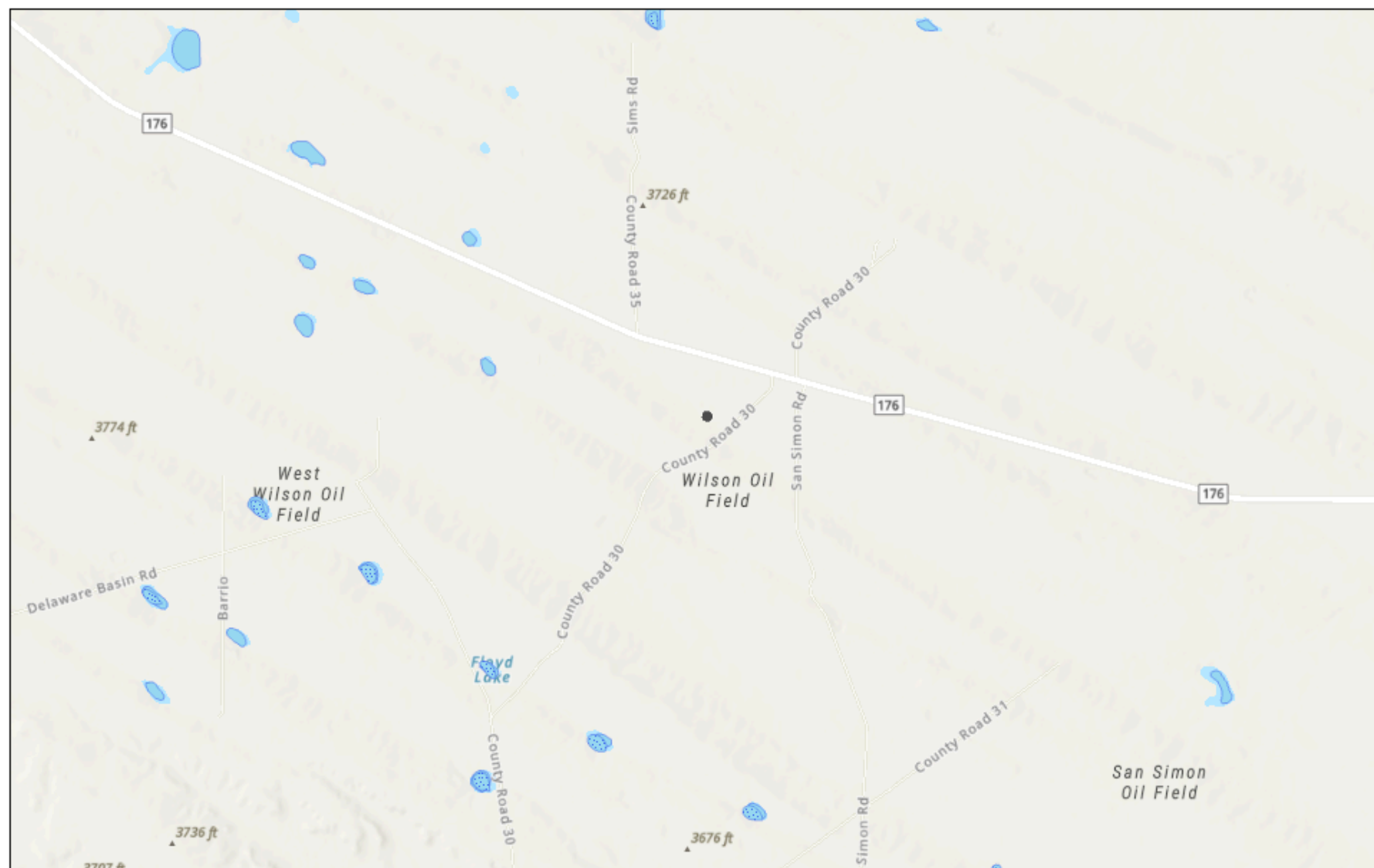
0 5 10 20 mi

0 5 10 20 km

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## Slick Mesa 27 State #001H



5/7/2025, 11:45:45 AM

- OSW Water Bodies
- OSE Probable Playas

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

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New Mexico Oil Conservation Division  
NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75> New Mexico Oil Conservation Division

## APPENDIX E

CARMONA RESOURCES





Environment Testing

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Carmona Resources  
310 W Wall St  
Ste 500  
Midland, Texas 79701

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## JOB DESCRIPTION

Slick Mesa 27 State #001H  
Lea County, New Mexico

## JOB NUMBER

880-58044-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

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



Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Laboratory Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                     |
|-----------|-----------------------------------------------------------|
| *-        | LCS and/or LCSD is outside acceptance limits, low biased. |
| F1        | MS and/or MSD recovery exceeds control limits.            |
| F2        | MS/MSD RPD exceeds control limits                         |
| S1-       | Surrogate recovery exceeds control limits, low biased.    |
| S1+       | Surrogate recovery exceeds control limits, high biased.   |
| U         | Indicates the analyte was analyzed for but not detected.  |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| *1        | LCS/LCSD RPD exceeds control limits.                     |
| F1        | MS and/or MSD recovery exceeds control limits.           |
| 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.           |
| F2        | MS/MSD RPD 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.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | 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)                                                                         |

Eurofins Midland

Definitions/Glossary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|-----------------------------------------------------------------------------|
| TEQ          | Toxicity Equivalent Quotient (Dioxin)                                       |
| TNTC         | Too Numerous To Count                                                       |

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## Case Narrative

Client: Carmona Resources  
Project: Slick Mesa 27 State #001H

Job ID: 880-58044-1

Job ID: 880-58044-1

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**Job Narrative**  
**880-58044-1**

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 5/13/2025 10:25 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.

**GC VOA**

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-110050 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-110050/20).

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-4 (2.5') (880-58044-65). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110039 and analytical batch 880-110048 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-110098 and analytical batch 880-110091 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-110098 and analytical batch 880-110091 was outside the control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110097 and analytical batch 880-110089 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-110099 and analytical batch 880-110090 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-110099 and analytical batch 880-110090 was outside control limits. Sample non-homogeneity is suspected.

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

**Diesel Range Organics**

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110035 and analytical batch 880-110067 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-110035/3-A). Evidence

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## Case Narrative

Client: Carmona Resources  
Project: Slick Mesa 27 State #001H

Job ID: 880-58044-1

### Job ID: 880-58044-1 (Continued)

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of matrix interferences is not obvious.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-110040 and analytical batch 880-110071 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-110043/2-A) and (LCSD 880-110043/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: SW-3 (0.5') (880-58044-64). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: CS-51 (3') (880-58044-51), SW-2 (0.5') (880-58044-63), SW-4 (2.5') (880-58044-65), SW-7 (3') (880-58044-68), SW-8 (3') (880-58044-69) and SW-9 (3') (880-58044-70). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-110044 and analytical batch 880-110022 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110041 and analytical batch 880-110065 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110038 and analytical batch 880-110062 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110045 and analytical batch 880-110060 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (0.5')

Lab Sample ID: 880-58044-1

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 15:06 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:06 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:06 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:06 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:06 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:06 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 15:06 | 1       |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 15:06 | 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 |   |          | 05/13/25 15:06 | 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 |   |          | 05/14/25 03:26 | 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 |   | 05/13/25 11:38 | 05/14/25 03:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 03:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 03:26 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 88        |           | 70 - 130 | 05/13/25 11:38 | 05/14/25 03:26 | 1       |
| o-Terphenyl (Surr)    | 90        |           | 70 - 130 | 05/13/25 11:38 | 05/14/25 03:26 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 89.3   | F2 F1     | 10.0 |     | mg/Kg |   |          | 05/13/25 14:47 | 1       |

Client Sample ID: CS-2 (0.5')

Lab Sample ID: 880-58044-2

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 15:26 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:26 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:26 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:26 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:26 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:26 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 15:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 15:26 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-2 (0.5')

Lab Sample ID: 880-58044-2

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   |          | 05/13/25 15:26 | 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 |   |          | 05/14/25 03:42 | 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 |   | 05/13/25 11:38 | 05/14/25 03:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1     | U         | 50.1     |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 03:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1     | U         | 50.1     |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 03:42 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 90        |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 03:42 | 1       |
| o-Terphenyl (Surr)                   | 93        |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 03:42 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 132    |           | 10.1 |     | mg/Kg |   |          | 05/13/25 15:03 | 1       |

Client Sample ID: CS-3 (0.5')

Lab Sample ID: 880-58044-3

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 15:47 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:47 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:47 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:47 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:47 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 15:47 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 15:47 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 15:47 | 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 |   |          | 05/13/25 15:47 | 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 |   |          | 05/14/25 03:59 | 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 |   | 05/13/25 11:38 | 05/14/25 03:59 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 03:59 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-3 (0.5')

Lab Sample ID: 880-58044-3

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:38 | 05/14/25 03:59 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 98        |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 03:59 | 1       |
| o-Terphenyl (Surr)                | 103       |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 03:59 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 106    |           | 10.1 |     | mg/Kg |   |          | 05/13/25 15:08 | 1       |

Client Sample ID: CS-4 (0.5')

Lab Sample ID: 880-58044-4

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 16:07 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:07 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:07 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:07 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:07 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:07 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 16:07 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 16:07 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 05/13/25 16:07 | 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 |   |          | 05/14/25 04:15 | 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 |   | 05/13/25 11:38 | 05/14/25 04:15 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 04:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 04:15 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 87        |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 04:15 | 1       |
| o-Terphenyl (Surr)                   | 90        |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 04:15 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 107    |           | 9.96 |     | mg/Kg |   |          | 05/13/25 15:13 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-5 (0.5')

Lab Sample ID: 880-58044-5

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 16:28 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:28 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:28 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:28 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:28 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:28 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 16:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 16:28 | 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 |   |          | 05/13/25 16:28 | 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 |   |          | 05/14/25 04:32 | 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 | <50.2  | U         | 50.2 |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 04:32 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.2  | U         | 50.2 |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 04:32 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.2  | U         | 50.2 |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 04:32 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 82        |           | 70 - 130 | 05/13/25 11:38 | 05/14/25 04:32 | 1       |
| o-Terphenyl (Surr)    | 88        |           | 70 - 130 | 05/13/25 11:38 | 05/14/25 04:32 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 109    |           | 9.98 |     | mg/Kg |   |          | 05/13/25 15:19 | 1       |

Client Sample ID: CS-6 (0.5')

Lab Sample ID: 880-58044-6

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 16:49 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:49 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:49 | 1       |
| m,p-Xylenes    | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:49 | 1       |
| o-Xylene       | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:49 | 1       |
| Xylenes, Total | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 16:49 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 16:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 16:49 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-6 (0.5')

Lab Sample ID: 880-58044-6

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00397 | U         | 0.00397 |     | mg/Kg |   |          | 05/13/25 16:49 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.3  | U         | 50.3 |     | mg/Kg |   |          | 05/14/25 04:47 | 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 | <50.3     | U         | 50.3     |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 04:47 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.3     | U         | 50.3     |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 04:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.3     | U         | 50.3     |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 04:47 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 84        |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 04:47 | 1       |
| o-Terphenyl (Surr)                   | 88        |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 04:47 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 137    |           | 10.1 |     | mg/Kg |   |          | 05/13/25 15:34 | 1       |

Client Sample ID: CS-7 (0.5')

Lab Sample ID: 880-58044-7

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 17:09 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:09 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:09 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:09 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:09 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:09 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 17:09 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 17:09 | 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 |   |          | 05/13/25 17:09 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 05/14/25 05:04 | 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 |   | 05/13/25 11:38 | 05/14/25 05:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 05:04 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (0.5')

Lab Sample ID: 880-58044-7

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:38 | 05/14/25 05:04 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 81        |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 05:04 | 1       |
| o-Terphenyl (Surr)                | 85        |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 05:04 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 111    |           | 9.94 |     | mg/Kg |   |          | 05/13/25 15:39 | 1       |

Client Sample ID: CS-8 (0.5')

Lab Sample ID: 880-58044-8

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 17:30 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:30 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:30 | 1       |
| m,p-Xylenes                 | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:30 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:30 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:30 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 17:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 17:30 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 |     | mg/Kg |   |          | 05/13/25 17:30 | 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 |   |          | 05/14/25 05:20 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 05:20 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 05:20 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 05:20 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 93        |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 05:20 | 1       |
| o-Terphenyl (Surr)                   | 96        |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 05:20 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 134    |           | 9.92 |     | mg/Kg |   |          | 05/13/25 15:45 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-9 (0.5')

Lab Sample ID: 880-58044-9

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 17:50 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:50 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:50 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:50 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:50 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 17:50 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 17:50 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 17:50 | 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 |   |          | 05/13/25 17:50 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 |     | mg/Kg |   |          | 05/14/25 05:36 | 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 | <49.7  | U         | 49.7 |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 05:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7  | U         | 49.7 |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 05:36 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7  | U         | 49.7 |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 05:36 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 85        |           | 70 - 130 | 05/13/25 11:38 | 05/14/25 05:36 | 1       |
| o-Terphenyl (Surr)    | 90        |           | 70 - 130 | 05/13/25 11:38 | 05/14/25 05:36 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 101    |           | 10.0 |     | mg/Kg |   |          | 05/13/25 15:50 | 1       |

Client Sample ID: CS-10 (0.5')

Lab Sample ID: 880-58044-10

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 18:11 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 18:11 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 18:11 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 18:11 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 18:11 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 18:11 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 18:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 18:11 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-10 (0.5')

Lab Sample ID: 880-58044-10

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   |          | 05/13/25 18:11 | 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 |   |          | 05/14/25 05:52 | 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 | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 05:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 05:52 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:38 | 05/14/25 05:52 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 77        |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 05:52 | 1       |
| o-Terphenyl (Surr)                   | 81        |           | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/14/25 05:52 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 130    |           | 10.1 |     | mg/Kg |   |          | 05/13/25 15:55 | 1       |

Client Sample ID: CS-11 (0.5')

Lab Sample ID: 880-58044-11

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 19:35 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 19:35 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 19:35 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 19:35 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 19:35 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 19:35 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 19:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 19:35 | 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 |   |          | 05/13/25 19:35 | 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 |   |          | 05/13/25 15:44 | 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 |   | 05/13/25 11:43 | 05/13/25 15:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 15:44 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-11 (0.5')

## Lab Sample ID: 880-58044-11

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:43 | 05/13/25 15:44 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 98        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 15:44 | 1       |
| o-Terphenyl (Surr)                | 95        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 15:44 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 112    |           | 10.0 |     | mg/Kg |   |          | 05/13/25 16:00 | 1       |

## Client Sample ID: CS-12 (0.5')

## Lab Sample ID: 880-58044-12

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 19:55 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 19:55 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 19:55 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 19:55 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 19:55 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 19:55 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 19:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 19:55 | 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 |   |          | 05/13/25 19:55 | 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 |   |          | 05/13/25 16:33 | 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 |   | 05/13/25 11:43 | 05/13/25 16:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 16:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 16:33 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 98        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 16:33 | 1       |
| o-Terphenyl (Surr)                   | 93        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 16:33 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 128    |           | 9.92 |     | mg/Kg |   |          | 05/13/25 16:16 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-13 (0.5')

Lab Sample ID: 880-58044-13

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 20:16 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:16 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:16 | 1       |
| m,p-Xylenes    | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:16 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:16 | 1       |
| Xylenes, Total | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:16 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 20:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 20:16 | 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 |   |          | 05/13/25 20:16 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 |     | mg/Kg |   |          | 05/13/25 16:49 | 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 | <49.7  | U         | 49.7 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 16:49 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7  | U         | 49.7 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 16:49 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7  | U         | 49.7 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 16:49 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 96        |           | 70 - 130 | 05/13/25 11:43 | 05/13/25 16:49 | 1       |
| o-Terphenyl (Surr)    | 91        |           | 70 - 130 | 05/13/25 11:43 | 05/13/25 16:49 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 106    |           | 10.1 |     | mg/Kg |   |          | 05/13/25 16:21 | 1       |

Client Sample ID: CS-14 (0.5')

Lab Sample ID: 880-58044-14

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 20:36 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:36 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:36 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:36 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:36 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:36 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 20:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 20:36 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (0.5')

Lab Sample ID: 880-58044-14

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   |          | 05/13/25 20:36 | 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 |   |          | 05/13/25 17:06 | 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 |   | 05/13/25 11:43 | 05/13/25 17:06 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 17:06 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 17:06 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 95        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 17:06 | 1       |
| o-Terphenyl (Surr)                   | 91        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 17:06 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 118    |           | 9.96 |     | mg/Kg |   |          | 05/13/25 16:36 | 1       |

Client Sample ID: CS-15 (0.5')

Lab Sample ID: 880-58044-15

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 20:57 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:57 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:57 | 1       |
| m,p-Xylenes                 | <0.00403  | U         | 0.00403  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:57 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:57 | 1       |
| Xylenes, Total              | <0.00403  | U         | 0.00403  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 20:57 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 89        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 20:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 20:57 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 |     | mg/Kg |   |          | 05/13/25 20:57 | 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 |   |          | 05/13/25 17:22 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 17:22 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 17:22 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-15 (0.5')

Lab Sample ID: 880-58044-15

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:43 | 05/13/25 17:22 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 101       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 17:22 | 1       |
| o-Terphenyl (Surr)                | 96        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 17:22 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 105    |           | 9.98 |     | mg/Kg |   |          | 05/13/25 16:42 | 1       |

Client Sample ID: CS-16 (0.5')

Lab Sample ID: 880-58044-16

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 21:17 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:17 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:17 | 1       |
| m,p-Xylenes                 | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:17 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:17 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:17 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 21:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 21:17 | 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 |   |          | 05/13/25 21:17 | 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 |   |          | 05/13/25 17:38 | 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 |   | 05/13/25 11:43 | 05/13/25 17:38 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 17:38 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 17:38 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 106       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 17:38 | 1       |
| o-Terphenyl (Surr)                   | 101       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 17:38 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 75.3   |           | 10.1 |     | mg/Kg |   |          | 05/13/25 16:47 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-17 (0.5')

Lab Sample ID: 880-58044-17

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 21:38 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:38 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:38 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:38 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:38 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:38 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 21:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 21:38 | 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 |   |          | 05/13/25 21:38 | 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 |   |          | 05/13/25 17:55 | 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 | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 17:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 17:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 17:55 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 98        |           | 70 - 130 | 05/13/25 11:43 | 05/13/25 17:55 | 1       |
| o-Terphenyl (Surr)    | 92        |           | 70 - 130 | 05/13/25 11:43 | 05/13/25 17:55 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 112    |           | 10.0 |     | mg/Kg |   |          | 05/13/25 16:52 | 1       |

Client Sample ID: CS-18 (0.5')

Lab Sample ID: 880-58044-18

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 21:58 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:58 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:58 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:58 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:58 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 21:58 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 21:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 05/13/25 11:27 | 05/13/25 21:58 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-18 (0.5')

Lab Sample ID: 880-58044-18

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   |          | 05/13/25 21:58 | 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 |   |          | 05/13/25 18:11 | 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 |   | 05/13/25 11:43 | 05/13/25 18:11 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 18:11 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 18:11 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 103       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 18:11 | 1       |
| o-Terphenyl (Surr)                   | 99        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 18:11 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 105    |           | 10.1 |     | mg/Kg |   |          | 05/13/25 16:57 | 1       |

Client Sample ID: CS-19 (0.5')

Lab Sample ID: 880-58044-19

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 22:19 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 22:19 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 22:19 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 22:19 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 22:19 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 22:19 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 22:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 22:19 | 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 |   |          | 05/13/25 22:19 | 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 |   |          | 05/13/25 18:27 | 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 |   | 05/13/25 11:43 | 05/13/25 18:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 18:27 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-19 (0.5')

Lab Sample ID: 880-58044-19

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:43 | 05/13/25 18:27 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 108       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 18:27 | 1       |
| o-Terphenyl (Surr)                | 104       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 18:27 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 106    |           | 9.94 |     | mg/Kg |   |          | 05/13/25 17:02 | 1       |

Client Sample ID: CS-20 (0.5')

Lab Sample ID: 880-58044-20

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:27 | 05/13/25 22:40 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 22:40 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 22:40 | 1       |
| m,p-Xylenes                 | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 22:40 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 22:40 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 22:40 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 22:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |     |       |   | 05/13/25 11:27 | 05/13/25 22:40 | 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 |   |          | 05/13/25 22:40 | 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 |   |          | 05/13/25 18:43 | 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 |   | 05/13/25 11:43 | 05/13/25 18:43 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 18:43 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 18:43 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 105       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 18:43 | 1       |
| o-Terphenyl (Surr)                   | 99        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 18:43 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 92.9   |           | 9.92 |     | mg/Kg |   |          | 05/13/25 17:08 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-21 (3')

Lab Sample ID: 880-58044-21

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:24 | 05/13/25 19:58 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 19:58 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 19:58 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 19:58 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 19:58 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 19:58 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 05/13/25 11:24 | 05/13/25 19:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 05/13/25 11:24 | 05/13/25 19:58 | 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 |   |          | 05/13/25 19:58 | 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 |   |          | 05/13/25 19:15 | 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 |   | 05/13/25 11:43 | 05/13/25 19:15 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 19:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 19:15 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 106       |           | 70 - 130 | 05/13/25 11:43 | 05/13/25 19:15 | 1       |
| o-Terphenyl (Surr)    | 97        |           | 70 - 130 | 05/13/25 11:43 | 05/13/25 19:15 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 71.1   | F1        | 9.94 |     | mg/Kg |   |          | 05/13/25 21:41 | 1       |

Client Sample ID: CS-22 (3')

Lab Sample ID: 880-58044-22

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:24 | 05/13/25 20:19 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:19 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:19 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:19 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:19 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:19 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 05/13/25 11:24 | 05/13/25 20:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 05/13/25 11:24 | 05/13/25 20:19 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-22 (3')

Lab Sample ID: 880-58044-22

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   |          | 05/13/25 20:19 | 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 |   |          | 05/13/25 19:31 | 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 |   | 05/13/25 11:43 | 05/13/25 19:31 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 19:31 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 19:31 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 101       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 19:31 | 1       |
| o-Terphenyl (Surr)                   | 94        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 19:31 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 84.4   |           | 10.0 |     | mg/Kg |   |          | 05/13/25 22:02 | 1       |

Client Sample ID: CS-23 (3')

Lab Sample ID: 880-58044-23

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:24 | 05/13/25 20:39 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:39 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:39 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:39 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:39 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 |     |       |   | 05/13/25 11:24 | 05/13/25 20:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |     |       |   | 05/13/25 11:24 | 05/13/25 20:39 | 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 |   |          | 05/13/25 20:39 | 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 |   |          | 05/13/25 19:47 | 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 | <49.9  | U         | 49.9 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 19:47 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 19:47 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-23 (3')

Lab Sample ID: 880-58044-23

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:43 | 05/13/25 19:47 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 103       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 19:47 | 1       |
| o-Terphenyl (Surr)                | 96        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 19:47 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 78.3   |           | 10.0 |     | mg/Kg |   |          | 05/13/25 22:09 | 1       |

Client Sample ID: CS-24 (3')

Lab Sample ID: 880-58044-24

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:24 | 05/13/25 20:59 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:59 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:59 | 1       |
| m,p-Xylenes                 | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:59 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:59 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 20:59 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 |     |       |   | 05/13/25 11:24 | 05/13/25 20:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 |     |       |   | 05/13/25 11:24 | 05/13/25 20:59 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 |     | mg/Kg |   |          | 05/13/25 20:59 | 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 |   |          | 05/13/25 20:03 | 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 |   | 05/13/25 11:43 | 05/13/25 20:03 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 20:03 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 20:03 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 102       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 20:03 | 1       |
| o-Terphenyl (Surr)                   | 96        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 20:03 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 100    |           | 10.1 |     | mg/Kg |   |          | 05/13/25 22:30 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-25 (3')

Lab Sample ID: 880-58044-25

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:24 | 05/13/25 21:20 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 21:20 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 21:20 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 21:20 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 21:20 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 21:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 05/13/25 11:24 | 05/13/25 21:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 05/13/25 11:24 | 05/13/25 21:20 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 05/13/25 21:20 | 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 |   |          | 05/13/25 20:21 | 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 |   | 05/13/25 11:43 | 05/13/25 20:21 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 20:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 20:21 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 99        |           | 70 - 130 | 05/13/25 11:43 | 05/13/25 20:21 | 1       |
| o-Terphenyl (Surr)    | 91        |           | 70 - 130 | 05/13/25 11:43 | 05/13/25 20:21 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 69.7   |           | 9.94 |     | mg/Kg |   |          | 05/13/25 22:37 | 1       |

Client Sample ID: CS-26 (3')

Lab Sample ID: 880-58044-26

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:24 | 05/13/25 21:40 | 1       |
| Toluene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 21:40 | 1       |
| Ethylbenzene   | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 21:40 | 1       |
| m,p-Xylenes    | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 21:40 | 1       |
| o-Xylene       | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 21:40 | 1       |
| Xylenes, Total | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 21:40 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 05/13/25 11:24 | 05/13/25 21:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 | 05/13/25 11:24 | 05/13/25 21:40 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-26 (3')

Lab Sample ID: 880-58044-26

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   |          | 05/13/25 21:40 | 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 |   |          | 05/13/25 20:37 | 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 |   | 05/13/25 11:43 | 05/13/25 20:37 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.2     | U         | 50.2     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 20:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.2     | U         | 50.2     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 20:37 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 109       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 20:37 | 1       |
| o-Terphenyl (Surr)                   | 101       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 20:37 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 74.0   |           | 9.98 |     | mg/Kg |   |          | 05/13/25 22:44 | 1       |

Client Sample ID: CS-27 (3')

Lab Sample ID: 880-58044-27

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:24 | 05/13/25 22:01 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:01 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:01 | 1       |
| m,p-Xylenes                 | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:01 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:01 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:01 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 |     |       |   | 05/13/25 11:24 | 05/13/25 22:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |     |       |   | 05/13/25 11:24 | 05/13/25 22:01 | 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 |   |          | 05/13/25 22:01 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.3  | U         | 50.3 |     | mg/Kg |   |          | 05/13/25 20:53 | 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 | <50.3  | U         | 50.3 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 20:53 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.3  | U         | 50.3 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 20:53 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-27 (3')

Lab Sample ID: 880-58044-27

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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) | <50.3     | U         | 50.3     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 20:53 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 105       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 20:53 | 1       |
| o-Terphenyl (Surr)                | 96        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 20:53 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 70.2   |           | 10.1 |     | mg/Kg |   |          | 05/13/25 22:51 | 1       |

## Client Sample ID: CS-28 (3')

Lab Sample ID: 880-58044-28

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:24 | 05/13/25 22:21 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:21 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:21 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:21 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:21 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:21 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 |     |       |   | 05/13/25 11:24 | 05/13/25 22:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |     |       |   | 05/13/25 11:24 | 05/13/25 22:21 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 05/13/25 22:21 | 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 |   |          | 05/13/25 21:09 | 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 | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 21:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 21:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 21:09 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 112       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 21:09 | 1       |
| o-Terphenyl (Surr)                   | 102       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 21:09 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 84.7   |           | 9.96 |     | mg/Kg |   |          | 05/13/25 22:59 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-29 (3')

Lab Sample ID: 880-58044-29

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:24 | 05/13/25 22:42 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:42 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:42 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:42 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:42 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 22:42 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 | 05/13/25 11:24 | 05/13/25 22:42 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 05/13/25 11:24 | 05/13/25 22:42 | 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 |   |          | 05/13/25 22:42 | 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 |   |          | 05/13/25 21:26 | 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 |   | 05/13/25 11:43 | 05/13/25 21:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 21:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 21:26 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 106       |           | 70 - 130 | 05/13/25 11:43 | 05/13/25 21:26 | 1       |
| o-Terphenyl (Surr)    | 99        |           | 70 - 130 | 05/13/25 11:43 | 05/13/25 21:26 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 88.5   |           | 9.98 |     | mg/Kg |   |          | 05/13/25 23:06 | 1       |

Client Sample ID: CS-30 (3')

Lab Sample ID: 880-58044-30

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:24 | 05/13/25 23:02 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 23:02 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 23:02 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 23:02 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 23:02 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 23:02 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 05/13/25 11:24 | 05/13/25 23:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 05/13/25 11:24 | 05/13/25 23:02 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-30 (3')

Lab Sample ID: 880-58044-30

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   |          | 05/13/25 23:02 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.6  | U         | 49.6 |     | mg/Kg |   |          | 05/13/25 21:42 | 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 | <49.6     | U         | 49.6     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 21:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.6     | U         | 49.6     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 21:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.6     | U         | 49.6     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 21:42 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 106       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 21:42 | 1       |
| o-Terphenyl (Surr)                   | 99        |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 21:42 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 105    |           | 10.0 |     | mg/Kg |   |          | 05/13/25 23:13 | 1       |

Client Sample ID: CS-31 (3')

Lab Sample ID: 880-58044-31

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/14/25 08:00 | 05/14/25 11:49 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 11:49 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 11:49 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 11:49 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 11:49 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 11:49 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 113       |           | 70 - 130 |     |       |   | 05/14/25 08:00 | 05/14/25 11:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |     |       |   | 05/14/25 08:00 | 05/14/25 11:49 | 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 |   |          | 05/14/25 11:49 | 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 |   |          | 05/13/25 23:52 | 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 | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:46 | 05/13/25 23:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:46 | 05/13/25 23:52 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-31 (3')

Lab Sample ID: 880-58044-31

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:46 | 05/13/25 23:52 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 115       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/13/25 23:52 | 1       |
| o-Terphenyl (Surr)                | 107       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/13/25 23:52 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 96.5   |           | 10.1 |     | mg/Kg |   |          | 05/13/25 17:49 | 1       |

## Client Sample ID: CS-32 (3')

Lab Sample ID: 880-58044-32

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00192  | U         | 0.00192  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:09 | 1       |
| Toluene                     | <0.00192  | U         | 0.00192  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:09 | 1       |
| Ethylbenzene                | <0.00192  | U         | 0.00192  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:09 | 1       |
| m,p-Xylenes                 | <0.00384  | U         | 0.00384  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:09 | 1       |
| o-Xylene                    | <0.00192  | U         | 0.00192  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:09 | 1       |
| Xylenes, Total              | <0.00384  | U         | 0.00384  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:09 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 112       |           | 70 - 130 |     |       |   | 05/14/25 08:00 | 05/14/25 12:09 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |     |       |   | 05/14/25 08:00 | 05/14/25 12:09 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00384 | U         | 0.00384 |     | mg/Kg |   |          | 05/14/25 12:09 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 05/14/25 00:41 | 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 |   | 05/13/25 11:46 | 05/14/25 00:41 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 00:41 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 00:41 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 111       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 00:41 | 1       |
| o-Terphenyl (Surr)                   | 104       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 00:41 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 99.4   |           | 10.1 |     | mg/Kg |   |          | 05/13/25 18:05 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-33 (3')

Lab Sample ID: 880-58044-33

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/14/25 08:00 | 05/14/25 12:30 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:30 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:30 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:30 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:30 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:30 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 113       |           | 70 - 130 | 05/14/25 08:00 | 05/14/25 12:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 05/14/25 08:00 | 05/14/25 12:30 | 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 |   |          | 05/14/25 12:30 | 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 |   |          | 05/14/25 00:57 | 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         | 49.9 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 00:57 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 00:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 00:57 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 118       |           | 70 - 130 | 05/13/25 11:46 | 05/14/25 00:57 | 1       |
| o-Terphenyl (Surr)    | 110       |           | 70 - 130 | 05/13/25 11:46 | 05/14/25 00:57 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 65.3   |           | 9.96 |     | mg/Kg |   |          | 05/13/25 18:10 | 1       |

Client Sample ID: CS-34 (3')

Lab Sample ID: 880-58044-34

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte        | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00175 | U         | 0.00175 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:50 | 1       |
| Toluene        | <0.00175 | U         | 0.00175 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:50 | 1       |
| Ethylbenzene   | <0.00175 | U         | 0.00175 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:50 | 1       |
| m,p-Xylenes    | <0.00350 | U         | 0.00350 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:50 | 1       |
| o-Xylene       | <0.00175 | U         | 0.00175 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:50 | 1       |
| Xylenes, Total | <0.00350 | U         | 0.00350 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 12:50 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 05/14/25 08:00 | 05/14/25 12:50 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 05/14/25 08:00 | 05/14/25 12:50 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-34 (3')

Lab Sample ID: 880-58044-34

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00350 | U         | 0.00350 |     | mg/Kg |   |          | 05/14/25 12:50 | 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 |   |          | 05/14/25 01:14 | 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 |   | 05/13/25 11:46 | 05/14/25 01:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 01:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 01:14 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 117       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 01:14 | 1       |
| o-Terphenyl (Surr)                   | 109       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 01:14 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 92.1   |           | 9.98 |     | mg/Kg |   |          | 05/13/25 18:15 | 1       |

Client Sample ID: CS-35 (3')

Lab Sample ID: 880-58044-35

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/14/25 08:00 | 05/14/25 13:11 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 13:11 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 13:11 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 13:11 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 13:11 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 13:11 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 |     |       |   | 05/14/25 08:00 | 05/14/25 13:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |     |       |   | 05/14/25 08:00 | 05/14/25 13:11 | 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 |   |          | 05/14/25 13:11 | 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 |   |          | 05/14/25 01:30 | 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 |   | 05/13/25 11:46 | 05/14/25 01:30 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 01:30 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-35 (3')

## Lab Sample ID: 880-58044-35

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:46 | 05/14/25 01:30 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 112       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 01:30 | 1       |
| o-Terphenyl (Surr)                | 102       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 01:30 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 85.3   |           | 10.0 |     | mg/Kg |   |          | 05/13/25 18:20 | 1       |

## Client Sample ID: CS-36 (3')

## Lab Sample ID: 880-58044-36

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/14/25 08:53 | 05/14/25 12:53 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 12:53 | 1       |
| Ethylbenzene                | <0.00200  | U F2      | 0.00200  |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 12:53 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 12:53 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 12:53 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 12:53 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 83        |           | 70 - 130 |     |       |   | 05/14/25 08:53 | 05/14/25 12:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 |     |       |   | 05/14/25 08:53 | 05/14/25 12:53 | 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 |   |          | 05/14/25 12:53 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 |     | mg/Kg |   |          | 05/14/25 01:47 | 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 | <49.7     | U         | 49.7     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 01:47 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7     | U         | 49.7     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 01:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 01:47 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 113       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 01:47 | 1       |
| o-Terphenyl (Surr)                   | 102       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 01:47 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 82.9   |           | 9.94 |     | mg/Kg |   |          | 05/13/25 18:36 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-37 (3')

Lab Sample ID: 880-58044-37

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/14/25 08:53 | 05/14/25 13:13 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 13:13 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 13:13 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 13:13 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 13:13 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 13:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 | 05/14/25 08:53 | 05/14/25 13:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 | 05/14/25 08:53 | 05/14/25 13:13 | 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 |   |          | 05/14/25 13:13 | 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 |   |          | 05/14/25 02:03 | 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 |   | 05/13/25 11:46 | 05/14/25 02:03 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 02:03 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 02:03 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 112       |           | 70 - 130 | 05/13/25 11:46 | 05/14/25 02:03 | 1       |
| o-Terphenyl (Surr)    | 104       |           | 70 - 130 | 05/13/25 11:46 | 05/14/25 02:03 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 94.4   |           | 9.92 |     | mg/Kg |   |          | 05/13/25 18:41 | 1       |

Client Sample ID: CS-38 (3')

Lab Sample ID: 880-58044-38

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/14/25 08:53 | 05/14/25 13:34 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 13:34 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 13:34 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 13:34 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 13:34 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 13:34 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 | 05/14/25 08:53 | 05/14/25 13:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 05/14/25 08:53 | 05/14/25 13:34 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-38 (3')

Lab Sample ID: 880-58044-38

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   |          | 05/14/25 13:34 | 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 |   |          | 05/14/25 02:20 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 02:20 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 02:20 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 02:20 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 115       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 02:20 | 1       |
| o-Terphenyl (Surr)                   | 106       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 02:20 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 96.7   |           | 10.0 |     | mg/Kg |   |          | 05/13/25 18:46 | 1       |

Client Sample ID: CS-39 (3')

Lab Sample ID: 880-58044-39

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U F1      | 0.00200  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:31 | 1       |
| Toluene                     | <0.00200  | U F1      | 0.00200  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:31 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:31 | 1       |
| m,p-Xylenes                 | <0.00399  | U F1      | 0.00399  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:31 | 1       |
| o-Xylene                    | <0.00200  | U F1      | 0.00200  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:31 | 1       |
| Xylenes, Total              | <0.00399  | U F1      | 0.00399  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:31 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |     |       |   | 05/14/25 08:43 | 05/14/25 11:31 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 |     |       |   | 05/14/25 08:43 | 05/14/25 11:31 | 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 |   |          | 05/14/25 11:31 | 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 |   |          | 05/14/25 02:36 | 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 |   | 05/13/25 11:46 | 05/14/25 02:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 02:36 | 1       |

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-39 (3')

Lab Sample ID: 880-58044-39

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:46 | 05/14/25 02:36 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 114       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 02:36 | 1       |
| o-Terphenyl (Surr)                | 105       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 02:36 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 90.3   |           | 10.0 |     | mg/Kg |   |          | 05/13/25 18:52 | 1       |

## Client Sample ID: CS-40 (3')

Lab Sample ID: 880-58044-40

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00192  | U         | 0.00192  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:52 | 1       |
| Toluene                     | <0.00192  | U         | 0.00192  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:52 | 1       |
| Ethylbenzene                | <0.00192  | U         | 0.00192  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:52 | 1       |
| m,p-Xylenes                 | <0.00384  | U         | 0.00384  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:52 | 1       |
| o-Xylene                    | <0.00192  | U         | 0.00192  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:52 | 1       |
| Xylenes, Total              | <0.00384  | U         | 0.00384  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:52 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |     |       |   | 05/14/25 08:43 | 05/14/25 11:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |     |       |   | 05/14/25 08:43 | 05/14/25 11:52 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00384 | U         | 0.00384 |     | mg/Kg |   |          | 05/14/25 11:52 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 |     | mg/Kg |   |          | 05/14/25 02:53 | 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 | <49.7     | U         | 49.7     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 02:53 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7     | U         | 49.7     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 02:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 02:53 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 116       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 02:53 | 1       |
| o-Terphenyl (Surr)                   | 107       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 02:53 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 87.0   |           | 9.94 |     | mg/Kg |   |          | 05/13/25 18:57 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-41 (3')

Lab Sample ID: 880-58044-41

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/14/25 08:43 | 05/14/25 12:13 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:13 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:13 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:13 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:13 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 | 05/14/25 08:43 | 05/14/25 12:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 05/14/25 08:43 | 05/14/25 12:13 | 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 |   |          | 05/14/25 12:13 | 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 |   |          | 05/14/25 03:26 | 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 |   | 05/13/25 11:46 | 05/14/25 03:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 03:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 03:26 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 116       |           | 70 - 130 | 05/13/25 11:46 | 05/14/25 03:26 | 1       |
| o-Terphenyl (Surr)    | 106       |           | 70 - 130 | 05/13/25 11:46 | 05/14/25 03:26 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 91.3   |           | 9.98 |     | mg/Kg |   |          | 05/13/25 19:02 | 1       |

Client Sample ID: CS-42 (3')

Lab Sample ID: 880-58044-42

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte        | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00175 | U         | 0.00175 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:33 | 1       |
| Toluene        | <0.00175 | U         | 0.00175 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:33 | 1       |
| Ethylbenzene   | <0.00175 | U         | 0.00175 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:33 | 1       |
| m,p-Xylenes    | <0.00350 | U         | 0.00350 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:33 | 1       |
| o-Xylene       | <0.00175 | U         | 0.00175 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:33 | 1       |
| Xylenes, Total | <0.00350 | U         | 0.00350 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:33 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 | 05/14/25 08:43 | 05/14/25 12:33 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 05/14/25 08:43 | 05/14/25 12:33 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-42 (3')

Lab Sample ID: 880-58044-42

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00350 | U         | 0.00350 |     | mg/Kg |   |          | 05/14/25 12:33 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.3  | U         | 50.3 |     | mg/Kg |   |          | 05/14/25 03:42 | 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 | <50.3     | U         | 50.3     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 03:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.3     | U         | 50.3     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 03:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.3     | U         | 50.3     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 03:42 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 108       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 03:42 | 1       |
| o-Terphenyl (Surr)                   | 101       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 03:42 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 80.4   |           | 9.92 |     | mg/Kg |   |          | 05/13/25 19:17 | 1       |

Client Sample ID: CS-43 (3')

Lab Sample ID: 880-58044-43

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/14/25 08:43 | 05/14/25 12:54 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:54 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:54 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:54 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:54 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 12:54 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 |     |       |   | 05/14/25 08:43 | 05/14/25 12:54 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 |     |       |   | 05/14/25 08:43 | 05/14/25 12:54 | 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 |   |          | 05/14/25 12:54 | 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 |   |          | 05/14/25 03:59 | 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 |   | 05/13/25 11:46 | 05/14/25 03:59 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 03:59 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-43 (3')

Lab Sample ID: 880-58044-43

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:46 | 05/14/25 03:59 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 114       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 03:59 | 1       |
| o-Terphenyl (Surr)                | 106       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 03:59 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 86.7   |           | 10.0 |     | mg/Kg |   |          | 05/13/25 19:23 | 1       |

## Client Sample ID: CS-44 (3')

Lab Sample ID: 880-58044-44

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/14/25 08:43 | 05/14/25 13:14 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 13:14 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 13:14 | 1       |
| m,p-Xylenes                 | <0.00397  | U         | 0.00397  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 13:14 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 13:14 | 1       |
| Xylenes, Total              | <0.00397  | U         | 0.00397  |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 13:14 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 |     |       |   | 05/14/25 08:43 | 05/14/25 13:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |     |       |   | 05/14/25 08:43 | 05/14/25 13:14 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00397 | U         | 0.00397 |     | mg/Kg |   |          | 05/14/25 13:14 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 |     | mg/Kg |   |          | 05/14/25 04:15 | 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 | <49.7     | U         | 49.7     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 04:15 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7     | U         | 49.7     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 04:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 04:15 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 110       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 04:15 | 1       |
| o-Terphenyl (Surr)                   | 104       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 04:15 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 78.6   |           | 9.96 |     | mg/Kg |   |          | 05/13/25 19:38 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-45 (3')

Lab Sample ID: 880-58044-45

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/14/25 08:48 | 05/14/25 11:39 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:39 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:39 | 1       |
| m,p-Xylenes    | <0.00399 | U *       | 0.00399 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:39 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:39 | 1       |
| Xylenes, Total | <0.00399 | U *       | 0.00399 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:39 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 89        |           | 70 - 130 | 05/14/25 08:48 | 05/14/25 11:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 | 05/14/25 08:48 | 05/14/25 11:39 | 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 |   |          | 05/14/25 11:39 | 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 |   |          | 05/14/25 04:32 | 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 |   | 05/13/25 11:46 | 05/14/25 04:32 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 04:32 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 04:32 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 110       |           | 70 - 130 | 05/13/25 11:46 | 05/14/25 04:32 | 1       |
| o-Terphenyl (Surr)    | 100       |           | 70 - 130 | 05/13/25 11:46 | 05/14/25 04:32 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 89.0   |           | 9.94 |     | mg/Kg |   |          | 05/13/25 19:43 | 1       |

Client Sample ID: CS-46 (3')

Lab Sample ID: 880-58044-46

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte        | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00192 | U         | 0.00192 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:59 | 1       |
| Toluene        | <0.00192 | U         | 0.00192 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:59 | 1       |
| Ethylbenzene   | <0.00192 | U         | 0.00192 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:59 | 1       |
| m,p-Xylenes    | <0.00384 | U *       | 0.00384 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:59 | 1       |
| o-Xylene       | <0.00192 | U         | 0.00192 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:59 | 1       |
| Xylenes, Total | <0.00384 | U *       | 0.00384 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:59 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 84        |           | 70 - 130 | 05/14/25 08:48 | 05/14/25 11:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 75        |           | 70 - 130 | 05/14/25 08:48 | 05/14/25 11:59 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-46 (3')

Lab Sample ID: 880-58044-46

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00384 | U         | 0.00384 |     | mg/Kg |   |          | 05/14/25 11:59 | 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 |   |          | 05/14/25 04:47 | 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 | <50.2     | U         | 50.2     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 04:47 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.2     | U         | 50.2     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 04:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.2     | U         | 50.2     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 04:47 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 116       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 04:47 | 1       |
| o-Terphenyl (Surr)                   | 107       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 04:47 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 89.9   |           | 9.92 |     | mg/Kg |   |          | 05/13/25 19:49 | 1       |

Client Sample ID: CS-47 (3')

Lab Sample ID: 880-58044-47

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/14/25 08:48 | 05/14/25 12:20 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 12:20 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 12:20 | 1       |
| m,p-Xylenes                 | <0.00398  | U *       | 0.00398  |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 12:20 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 12:20 | 1       |
| Xylenes, Total              | <0.00398  | U *       | 0.00398  |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 12:20 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 89        |           | 70 - 130 |     |       |   | 05/14/25 08:48 | 05/14/25 12:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 |     |       |   | 05/14/25 08:48 | 05/14/25 12:20 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 05/14/25 12:20 | 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 |   |          | 05/14/25 05:04 | 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 |   | 05/13/25 11:46 | 05/14/25 05:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 05:04 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-47 (3')

## Lab Sample ID: 880-58044-47

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:46 | 05/14/25 05:04 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 113       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 05:04 | 1       |
| o-Terphenyl (Surr)                | 103       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 05:04 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 89.8   |           | 10.0 |     | mg/Kg |   |          | 05/13/25 19:54 | 1       |

## Client Sample ID: CS-48 (3')

## Lab Sample ID: 880-58044-48

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00175  | U         | 0.00175  |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 12:40 | 1       |
| Toluene                     | <0.00175  | U         | 0.00175  |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 12:40 | 1       |
| Ethylbenzene                | <0.00175  | U         | 0.00175  |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 12:40 | 1       |
| m,p-Xylenes                 | <0.00350  | U *       | 0.00350  |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 12:40 | 1       |
| o-Xylene                    | <0.00175  | U         | 0.00175  |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 12:40 | 1       |
| Xylenes, Total              | <0.00350  | U *       | 0.00350  |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 12:40 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 |     |       |   | 05/14/25 08:48 | 05/14/25 12:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 |     |       |   | 05/14/25 08:48 | 05/14/25 12:40 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00350 | U         | 0.00350 |     | mg/Kg |   |          | 05/14/25 12:40 | 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 |   |          | 05/14/25 05:20 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 05:20 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 05:20 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 05:20 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 118       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 05:20 | 1       |
| o-Terphenyl (Surr)                   | 106       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 05:20 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 83.6   |           | 9.94 |     | mg/Kg |   |          | 05/13/25 19:59 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-49 (3')

Lab Sample ID: 880-58044-49

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/14/25 08:48 | 05/14/25 13:01 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 13:01 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 13:01 | 1       |
| m,p-Xylenes    | <0.00398 | U *       | 0.00398 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 13:01 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 13:01 | 1       |
| Xylenes, Total | <0.00398 | U *       | 0.00398 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 13:01 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 | 05/14/25 08:48 | 05/14/25 13:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 | 05/14/25 08:48 | 05/14/25 13:01 | 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 |   |          | 05/14/25 13:01 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 |     | mg/Kg |   |          | 05/14/25 05:36 | 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 | <49.7  | U         | 49.7 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 05:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7  | U         | 49.7 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 05:36 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7  | U         | 49.7 |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 05:36 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 114       |           | 70 - 130 | 05/13/25 11:46 | 05/14/25 05:36 | 1       |
| o-Terphenyl (Surr)    | 103       |           | 70 - 130 | 05/13/25 11:46 | 05/14/25 05:36 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 93.6   |           | 10.0 |     | mg/Kg |   |          | 05/13/25 20:04 | 1       |

Client Sample ID: CS-50 (3')

Lab Sample ID: 880-58044-50

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/14/25 08:48 | 05/14/25 13:21 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 13:21 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 13:21 | 1       |
| m,p-Xylenes    | <0.00397 | U *       | 0.00397 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 13:21 | 1       |
| o-Xylene       | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 13:21 | 1       |
| Xylenes, Total | <0.00397 | U *       | 0.00397 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 13:21 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 | 05/14/25 08:48 | 05/14/25 13:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 | 05/14/25 08:48 | 05/14/25 13:21 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-50 (3')

Lab Sample ID: 880-58044-50

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00397 | U         | 0.00397 |     | mg/Kg |   |          | 05/14/25 13:21 | 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 |   |          | 05/14/25 05:52 | 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 | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 05:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 05:52 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:46 | 05/14/25 05:52 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 114       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 05:52 | 1       |
| o-Terphenyl (Surr)                   | 104       |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/14/25 05:52 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 95.1   |           | 10.0 |     | mg/Kg |   |          | 05/13/25 20:09 | 1       |

Client Sample ID: CS-51 (3')

Lab Sample ID: 880-58044-51

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | 0.00520   |           | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 02:19 | 1       |
| Toluene                     | 0.0114    | F1        | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 02:19 | 1       |
| Ethylbenzene                | 0.00263   |           | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 02:19 | 1       |
| m,p-Xylenes                 | <0.00399  | U F1      | 0.00399  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 02:19 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 02:19 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 02:19 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 02:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 121       |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 02:19 | 1       |

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

| Analyte    | Result | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.0192 |           | 0.00399 |     | mg/Kg |   |          | 05/14/25 02:19 | 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 |   |          | 05/13/25 19:11 | 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 |   | 05/13/25 11:47 | 05/13/25 19:11 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U *1      | 49.9 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 19:11 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-51 (3')

Lab Sample ID: 880-58044-51

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:47 | 05/13/25 19:11 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 124       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 19:11 | 1       |
| o-Terphenyl (Surr)                | 131       | S1+       | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 19:11 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 98.9   | F1        | 9.98 |     | mg/Kg |   |          | 05/13/25 17:28 | 1       |

## Client Sample ID: CS-52 (3')

Lab Sample ID: 880-58044-52

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 02:39 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 02:39 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 02:39 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 02:39 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 02:39 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 02:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 02:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 02:39 | 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 |   |          | 05/14/25 02:39 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.1  | U         | 50.1 |     | mg/Kg |   |          | 05/13/25 19:56 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1     | U         | 50.1     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 19:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1     | U *1      | 50.1     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 19:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1     | U         | 50.1     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 19:56 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 123       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 19:56 | 1       |
| o-Terphenyl (Surr)                   | 129       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 19:56 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 106    |           | 10.0 |     | mg/Kg |   |          | 05/13/25 17:48 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-53 (3')

Lab Sample ID: 880-58044-53

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 03:00 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:00 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:00 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:00 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:00 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:00 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 03:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 112       |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 03:00 | 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 |   |          | 05/14/25 03:00 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 |     | mg/Kg |   |          | 05/13/25 20:10 | 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 | <49.7  | U         | 49.7 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 20:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7  | U *1      | 49.7 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 20:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7  | U         | 49.7 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 20:10 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 123       |           | 70 - 130 | 05/13/25 11:47 | 05/13/25 20:10 | 1       |
| o-Terphenyl (Surr)    | 127       |           | 70 - 130 | 05/13/25 11:47 | 05/13/25 20:10 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 98.0   |           | 9.96 |     | mg/Kg |   |          | 05/13/25 17:55 | 1       |

Client Sample ID: CS-54 (3')

Lab Sample ID: 880-58044-54

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 03:20 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:20 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:20 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:20 | 1       |
| o-Xylene       | 0.00536  |           | 0.00199 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:20 | 1       |
| Xylenes, Total | 0.00536  |           | 0.00398 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 03:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 03:20 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-54 (3')

Lab Sample ID: 880-58044-54

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte    | Result  | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|---------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.00536 |           | 0.00398 |     | mg/Kg |   |          | 05/14/25 03:20 | 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 |   |          | 05/13/25 20:25 | 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 | <49.8     | U         | 49.8     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 20:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U *1      | 49.8     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 20:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 20:25 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 116       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 20:25 | 1       |
| o-Terphenyl (Surr)                   | 123       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 20:25 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 83.9   |           | 9.92 |     | mg/Kg |   |          | 05/13/25 18:02 | 1       |

Client Sample ID: CS-55 (3')

Lab Sample ID: 880-58044-55

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 03:41 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:41 | 1       |
| Ethylbenzene                | 0.00473   |           | 0.00199  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:41 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:41 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:41 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 03:41 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 03:41 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 03:41 | 1       |

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

| Analyte    | Result  | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|---------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.00473 |           | 0.00398 |     | mg/Kg |   |          | 05/14/25 03:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.6  | U         | 49.6 |     | mg/Kg |   |          | 05/13/25 20:40 | 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 | <49.6  | U         | 49.6 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 20:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.6  | U *1      | 49.6 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 20:40 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-55 (3')

Lab Sample ID: 880-58044-55

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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) | <49.6     | U         | 49.6     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 20:40 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 110       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 20:40 | 1       |
| o-Terphenyl (Surr)                | 120       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 20:40 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 98.0   |           | 10.1 |     | mg/Kg |   |          | 05/13/25 18:09 | 1       |

Client Sample ID: CS-56 (3')

Lab Sample ID: 880-58044-56

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 04:01 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:01 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:01 | 1       |
| m,p-Xylenes                 | <0.00397  | U         | 0.00397  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:01 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:01 | 1       |
| Xylenes, Total              | <0.00397  | U         | 0.00397  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:01 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 04:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 04:01 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00397 | U         | 0.00397 |     | mg/Kg |   |          | 05/14/25 04:01 | 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 |   |          | 05/13/25 20:55 | 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 | <50.1     | U         | 50.1     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 20:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1     | U *1      | 50.1     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 20:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1     | U         | 50.1     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 20:55 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 106       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 20:55 | 1       |
| o-Terphenyl (Surr)                   | 115       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 20:55 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 107    |           | 9.94 |     | mg/Kg |   |          | 05/13/25 18:29 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-57 (3')

Lab Sample ID: 880-58044-57

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 04:22 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:22 | 1       |
| Ethylbenzene   | 0.00272  |           | 0.00201 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:22 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:22 | 1       |
| o-Xylene       | 0.00312  |           | 0.00201 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:22 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:22 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 04:22 | 1       |
| 1,4-Difluorobenzene (Surr)  | 120       |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 04:22 | 1       |

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

| Analyte    | Result  | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|---------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.00584 |           | 0.00402 |     | mg/Kg |   |          | 05/14/25 04:22 | 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 |   |          | 05/13/25 21:10 | 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 |   | 05/13/25 11:47 | 05/13/25 21:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U *1      | 49.8 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 21:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 21:10 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 102       |           | 70 - 130 | 05/13/25 11:47 | 05/13/25 21:10 | 1       |
| o-Terphenyl (Surr)    | 108       |           | 70 - 130 | 05/13/25 11:47 | 05/13/25 21:10 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 113    |           | 10.0 |     | mg/Kg |   |          | 05/13/25 18:36 | 1       |

Client Sample ID: CS-58 (3')

Lab Sample ID: 880-58044-58

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 04:42 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:42 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:42 | 1       |
| m,p-Xylenes    | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:42 | 1       |
| o-Xylene       | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:42 | 1       |
| Xylenes, Total | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 04:42 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 04:42 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 04:42 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-58 (3')

Lab Sample ID: 880-58044-58

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   |          | 05/14/25 04:42 | 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 |   |          | 05/13/25 21:26 | 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 |   | 05/13/25 11:47 | 05/13/25 21:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U *1      | 50.0     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 21:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 21:26 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 121       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 21:26 | 1       |
| o-Terphenyl (Surr)                   | 124       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 21:26 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 101    |           | 10.0 |     | mg/Kg |   |          | 05/13/25 18:42 | 1       |

Client Sample ID: CS-59 (3')

Lab Sample ID: 880-58044-59

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 05:03 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 05:03 | 1       |
| Ethylbenzene                | 0.00203   |           | 0.00199  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 05:03 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 05:03 | 1       |
| o-Xylene                    | 0.00238   |           | 0.00199  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 05:03 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 05:03 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 98        |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 05:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 05:03 | 1       |

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

| Analyte    | Result  | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|---------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.00441 |           | 0.00398 |     | mg/Kg |   |          | 05/14/25 05:03 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.1  | U         | 50.1 |     | mg/Kg |   |          | 05/13/25 21:41 | 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 |   | 05/13/25 11:47 | 05/13/25 21:41 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U *1      | 50.1 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 21:41 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-59 (3')

Lab Sample ID: 880-58044-59

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:47 | 05/13/25 21:41 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 120       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 21:41 | 1       |
| o-Terphenyl (Surr)                | 126       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 21:41 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 91.5   |           | 10.1 |     | mg/Kg |   |          | 05/13/25 18:49 | 1       |

## Client Sample ID: CS-60 (3')

Lab Sample ID: 880-58044-60

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 05:23 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 05:23 | 1       |
| Ethylbenzene                | 0.00600   |           | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 05:23 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 05:23 | 1       |
| o-Xylene                    | 0.00337   |           | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 05:23 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 05:23 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 05:23 | 1       |
| 1,4-Difluorobenzene (Surr)  | 117       |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 05:23 | 1       |

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

| Analyte    | Result  | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|---------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.00937 |           | 0.00399 |     | mg/Kg |   |          | 05/14/25 05:23 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 |     | mg/Kg |   |          | 05/13/25 21:56 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7     | U         | 49.7     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 21:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7     | U *1      | 49.7     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 21:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 21:56 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 122       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 21:56 | 1       |
| o-Terphenyl (Surr)                   | 128       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 21:56 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 100    |           | 9.96 |     | mg/Kg |   |          | 05/13/25 18:56 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-61 (3')

Lab Sample ID: 880-58044-61

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 06:58 | 1       |
| <b>Toluene</b>  | <b>0.00320</b> |           | 0.00199 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 06:58 | 1       |
| Ethylbenzene    | <0.00199       | U         | 0.00199 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 06:58 | 1       |
| m,p-Xylenes     | <0.00398       | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 06:58 | 1       |
| <b>o-Xylene</b> | <b>0.00214</b> |           | 0.00199 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 06:58 | 1       |
| Xylenes, Total  | <0.00398       | U         | 0.00398 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 06:58 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 06:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 06:58 | 1       |

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

| Analyte           | Result         | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-------------------|----------------|-----------|---------|-----|-------|---|----------|----------------|---------|
| <b>Total BTEX</b> | <b>0.00534</b> |           | 0.00398 |     | mg/Kg |   |          | 05/14/25 06:58 | 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 |   |          | 05/13/25 22:27 | 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 |   | 05/13/25 11:47 | 05/13/25 22:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U *1      | 49.8 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 22:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 22:27 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 101       |           | 70 - 130 | 05/13/25 11:47 | 05/13/25 22:27 | 1       |
| o-Terphenyl (Surr)    | 106       |           | 70 - 130 | 05/13/25 11:47 | 05/13/25 22:27 | 1       |

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

| Analyte         | Result      | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|------|-----|-------|---|----------|----------------|---------|
| <b>Chloride</b> | <b>87.8</b> | <b>F1</b> | 9.94 |     | mg/Kg |   |          | 05/13/25 19:03 | 1       |

Client Sample ID: SW-1 (0.5')

Lab Sample ID: 880-58044-62

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 07:19 | 1       |
| <b>Toluene</b>        | <b>0.00887</b> |           | 0.00200 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 07:19 | 1       |
| Ethylbenzene          | <0.00200       | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 07:19 | 1       |
| <b>m,p-Xylenes</b>    | <b>0.00985</b> |           | 0.00399 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 07:19 | 1       |
| <b>o-Xylene</b>       | <b>0.00638</b> |           | 0.00200 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 07:19 | 1       |
| <b>Xylenes, Total</b> | <b>0.0162</b>  |           | 0.00399 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 07:19 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 07:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 07:19 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (0.5')

Lab Sample ID: 880-58044-62

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte    | Result | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.0251 |           | 0.00399 |     | mg/Kg |   |          | 05/14/25 07:19 | 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 |   |          | 05/13/25 22:42 | 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 |   | 05/13/25 11:47 | 05/13/25 22:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U *1      | 50.0     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 22:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 22:42 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 104       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 22:42 | 1       |
| o-Terphenyl (Surr)                   | 112       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 22:42 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 129    |           | 9.92 |     | mg/Kg |   |          | 05/13/25 19:23 | 1       |

Client Sample ID: SW-2 (0.5')

Lab Sample ID: 880-58044-63

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 07:39 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 07:39 | 1       |
| Ethylbenzene                | 0.00304   |           | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 07:39 | 1       |
| m,p-Xylenes                 | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 07:39 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 07:39 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 07:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 07:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 07:39 | 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 |   |          | 05/14/25 07:39 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.1  | U         | 50.1 |     | mg/Kg |   |          | 05/13/25 22:59 | 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 |   | 05/13/25 11:47 | 05/13/25 22:59 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U *1      | 50.1 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 22:59 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: SW-2 (0.5')

Lab Sample ID: 880-58044-63

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:47 | 05/13/25 22:59 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 129       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 22:59 | 1       |
| o-Terphenyl (Surr)                | 137       | S1+       | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 22:59 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 122    |           | 10.0 |     | mg/Kg |   |          | 05/13/25 19:30 | 1       |

Client Sample ID: SW-3 (0.5')

Lab Sample ID: 880-58044-64

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 08:00 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:00 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:00 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:00 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:00 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:00 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 08:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 08:00 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 05/14/25 08:00 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 05/13/25 23:14 | 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 | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 23:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U *1      | 49.9     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 23:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 23:14 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 136       | S1+       | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 23:14 | 1       |
| o-Terphenyl (Surr)                   | 143       | S1+       | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 23:14 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 121    |           | 9.96 |     | mg/Kg |   |          | 05/13/25 19:50 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-58044-65

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte        | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | 0.0219   |           | 0.00202 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:20 | 1       |
| Toluene        | 0.00471  |           | 0.00202 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:20 | 1       |
| Ethylbenzene   | 0.00351  |           | 0.00202 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:20 | 1       |
| m,p-Xylenes    | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:20 | 1       |
| o-Xylene       | 0.00499  |           | 0.00202 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:20 | 1       |
| Xylenes, Total | 0.00499  |           | 0.00403 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 68        | S1-       | 70 - 130 | 05/13/25 11:42 | 05/14/25 08:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 08:20 | 1       |

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

| Analyte    | Result | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.0351 |           | 0.00403 |     | mg/Kg |   |          | 05/14/25 08:20 | 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 |   |          | 05/13/25 23:29 | 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 |   | 05/13/25 11:47 | 05/13/25 23:29 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U *1      | 49.8 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 23:29 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 23:29 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 126       |           | 70 - 130 | 05/13/25 11:47 | 05/13/25 23:29 | 1       |
| o-Terphenyl (Surr)    | 134       | S1+       | 70 - 130 | 05/13/25 11:47 | 05/13/25 23:29 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 115    |           | 9.98 |     | mg/Kg |   |          | 05/13/25 19:57 | 1       |

Client Sample ID: SW-5 (3')

Lab Sample ID: 880-58044-66

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte        | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | 0.00375  |           | 0.00198 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:41 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:41 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:41 | 1       |
| m,p-Xylenes    | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:41 | 1       |
| o-Xylene       | 0.00233  |           | 0.00198 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:41 | 1       |
| Xylenes, Total | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 08:41 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 08:41 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 08:41 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: SW-5 (3')

Lab Sample ID: 880-58044-66

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte    | Result  | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|---------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.00608 |           | 0.00396 |     | mg/Kg |   |          | 05/14/25 08:41 | 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 |   |          | 05/13/25 23:46 | 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 |   | 05/13/25 11:47 | 05/13/25 23:46 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U *1      | 50.0     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 23:46 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 23:46 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 100       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 23:46 | 1       |
| o-Terphenyl (Surr)                   | 111       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 23:46 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 96.0   |           | 10.1 |     | mg/Kg |   |          | 05/13/25 20:04 | 1       |

Client Sample ID: SW-6 (3')

Lab Sample ID: 880-58044-67

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 09:01 | 1       |
| Toluene                     | 0.00260   |           | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:01 | 1       |
| Ethylbenzene                | 0.00720   |           | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:01 | 1       |
| m,p-Xylenes                 | 0.0147    |           | 0.00399  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:01 | 1       |
| o-Xylene                    | 0.00273   |           | 0.00200  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:01 | 1       |
| Xylenes, Total              | 0.0174    |           | 0.00399  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:01 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 113       |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 09:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 110       |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 09:01 | 1       |

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

| Analyte    | Result | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.0272 |           | 0.00399 |     | mg/Kg |   |          | 05/14/25 09:01 | 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 |   |          | 05/14/25 00:00 | 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 |   | 05/13/25 11:47 | 05/14/25 00:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U *1      | 50.1 |     | mg/Kg |   | 05/13/25 11:47 | 05/14/25 00:00 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: SW-6 (3')

Lab Sample ID: 880-58044-67

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:47 | 05/14/25 00:00 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 106       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/14/25 00:00 | 1       |
| o-Terphenyl (Surr)                | 116       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/14/25 00:00 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 113    |           | 9.94 |     | mg/Kg |   |          | 05/13/25 20:11 | 1       |

Client Sample ID: SW-7 (3')

Lab Sample ID: 880-58044-68

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 09:22 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:22 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:22 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:22 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:22 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:22 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 09:22 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 |     |       |   | 05/13/25 11:42 | 05/14/25 09:22 | 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 |   |          | 05/14/25 09:22 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.2  | U         | 50.2 |     | mg/Kg |   |          | 05/14/25 00:15 | 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 |   | 05/13/25 11:47 | 05/14/25 00:15 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.2     | U *1      | 50.2     |     | mg/Kg |   | 05/13/25 11:47 | 05/14/25 00:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.2     | U         | 50.2     |     | mg/Kg |   | 05/13/25 11:47 | 05/14/25 00:15 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 128       |           | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/14/25 00:15 | 1       |
| o-Terphenyl (Surr)                   | 135       | S1+       | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/14/25 00:15 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 128    |           | 10.0 |     | mg/Kg |   |          | 05/13/25 20:18 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: SW-8 (3')

Lab Sample ID: 880-58044-69

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

## 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 |   | 05/13/25 11:42 | 05/14/25 09:43 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:43 | 1       |
| Ethylbenzene   | 0.00255  |           | 0.00201 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:43 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:43 | 1       |
| o-Xylene       | 0.00443  |           | 0.00201 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:43 | 1       |
| Xylenes, Total | 0.00443  |           | 0.00402 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 09:43 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 78        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 09:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 76        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 09:43 | 1       |

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

| Analyte    | Result  | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|---------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.00698 |           | 0.00402 |     | mg/Kg |   |          | 05/14/25 09:43 | 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 |   |          | 05/14/25 00:31 | 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 |   | 05/13/25 11:47 | 05/14/25 00:31 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U *1      | 49.8 |     | mg/Kg |   | 05/13/25 11:47 | 05/14/25 00:31 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 05/13/25 11:47 | 05/14/25 00:31 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 124       |           | 70 - 130 | 05/13/25 11:47 | 05/14/25 00:31 | 1       |
| o-Terphenyl (Surr)    | 131       | S1+       | 70 - 130 | 05/13/25 11:47 | 05/14/25 00:31 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 132    |           | 10.1 |     | mg/Kg |   |          | 05/13/25 20:24 | 1       |

Client Sample ID: SW-9 (3')

Lab Sample ID: 880-58044-70

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte        | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | 0.00260  |           | 0.00200 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 10:03 | 1       |
| Toluene        | 0.00346  |           | 0.00200 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 10:03 | 1       |
| Ethylbenzene   | 0.00203  |           | 0.00200 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 10:03 | 1       |
| m,p-Xylenes    | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 10:03 | 1       |
| o-Xylene       | 0.00931  |           | 0.00200 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 10:03 | 1       |
| Xylenes, Total | 0.00931  |           | 0.00401 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 10:03 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 10:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 10:03 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: SW-9 (3')

Lab Sample ID: 880-58044-70

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

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

| Analyte    | Result | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.0174 |           | 0.00401 |     | mg/Kg |   |          | 05/14/25 10:03 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 05/14/25 00:46 | 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 |   | 05/13/25 11:47 | 05/14/25 00:46 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U *1      | 50.0 |     | mg/Kg |   | 05/13/25 11:47 | 05/14/25 00:46 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 05/13/25 11:47 | 05/14/25 00:46 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 125       |           | 70 - 130 | 05/13/25 11:47 | 05/14/25 00:46 | 1       |
| o-Terphenyl (Surr)    | 131       | S1+       | 70 - 130 | 05/13/25 11:47 | 05/14/25 00:46 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 124    |           | 10.0 |     | mg/Kg |   |          | 05/13/25 20:31 | 1       |

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea 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) |
| 880-58043-A-11-A MS  | Matrix Spike           | 113                                            | 100      |
| 880-58043-A-11-B MSD | Matrix Spike Duplicate | 111                                            | 104      |
| 880-58044-1          | CS-1 (0.5')            | 91                                             | 84       |
| 880-58044-1 MS       | CS-1 (0.5')            | 102                                            | 100      |
| 880-58044-1 MSD      | CS-1 (0.5')            | 109                                            | 97       |
| 880-58044-2          | CS-2 (0.5')            | 94                                             | 99       |
| 880-58044-3          | CS-3 (0.5')            | 92                                             | 97       |
| 880-58044-4          | CS-4 (0.5')            | 91                                             | 96       |
| 880-58044-5          | CS-5 (0.5')            | 90                                             | 97       |
| 880-58044-6          | CS-6 (0.5')            | 92                                             | 98       |
| 880-58044-7          | CS-7 (0.5')            | 94                                             | 95       |
| 880-58044-8          | CS-8 (0.5')            | 92                                             | 82       |
| 880-58044-9          | CS-9 (0.5')            | 92                                             | 81       |
| 880-58044-10         | CS-10 (0.5')           | 90                                             | 97       |
| 880-58044-11         | CS-11 (0.5')           | 93                                             | 99       |
| 880-58044-12         | CS-12 (0.5')           | 93                                             | 94       |
| 880-58044-13         | CS-13 (0.5')           | 92                                             | 97       |
| 880-58044-14         | CS-14 (0.5')           | 93                                             | 99       |
| 880-58044-15         | CS-15 (0.5')           | 89                                             | 95       |
| 880-58044-16         | CS-16 (0.5')           | 93                                             | 94       |
| 880-58044-17         | CS-17 (0.5')           | 92                                             | 96       |
| 880-58044-18         | CS-18 (0.5')           | 96                                             | 98       |
| 880-58044-19         | CS-19 (0.5')           | 95                                             | 100      |
| 880-58044-20         | CS-20 (0.5')           | 93                                             | 95       |
| 880-58044-21         | CS-21 (3')             | 114                                            | 94       |
| 880-58044-22         | CS-22 (3')             | 107                                            | 100      |
| 880-58044-23         | CS-23 (3')             | 109                                            | 99       |
| 880-58044-24         | CS-24 (3')             | 105                                            | 98       |
| 880-58044-25         | CS-25 (3')             | 102                                            | 100      |
| 880-58044-26         | CS-26 (3')             | 104                                            | 99       |
| 880-58044-27         | CS-27 (3')             | 107                                            | 99       |
| 880-58044-28         | CS-28 (3')             | 105                                            | 100      |
| 880-58044-29         | CS-29 (3')             | 109                                            | 94       |
| 880-58044-30         | CS-30 (3')             | 108                                            | 98       |
| 880-58044-31         | CS-31 (3')             | 113                                            | 99       |
| 880-58044-31 MS      | CS-31 (3')             | 112                                            | 102      |
| 880-58044-31 MSD     | CS-31 (3')             | 104                                            | 106      |
| 880-58044-32         | CS-32 (3')             | 112                                            | 99       |
| 880-58044-33         | CS-33 (3')             | 113                                            | 95       |
| 880-58044-34         | CS-34 (3')             | 114                                            | 96       |
| 880-58044-35         | CS-35 (3')             | 110                                            | 99       |
| 880-58044-36         | CS-36 (3')             | 83                                             | 98       |
| 880-58044-36 MS      | CS-36 (3')             | 106                                            | 97       |
| 880-58044-36 MSD     | CS-36 (3')             | 113                                            | 99       |
| 880-58044-37         | CS-37 (3')             | 116                                            | 108      |
| 880-58044-38         | CS-38 (3')             | 120                                            | 106      |
| 880-58044-39         | CS-39 (3')             | 92                                             | 101      |
| 880-58044-39 MS      | CS-39 (3')             | 103                                            | 86       |
| 880-58044-39 MSD     | CS-39 (3')             | 103                                            | 90       |

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## Surrogate Summary

Client: Carmona Resources

Job ID: 880-58044-1

Project/Site: Slick Mesa 27 State #001H

SDG: Lea 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) |
| 880-58044-40        | CS-40 (3')             | 92                                             | 97                |
| 880-58044-41        | CS-41 (3')             | 92                                             | 95                |
| 880-58044-42        | CS-42 (3')             | 90                                             | 96                |
| 880-58044-43        | CS-43 (3')             | 91                                             | 93                |
| 880-58044-44        | CS-44 (3')             | 90                                             | 97                |
| 880-58044-45        | CS-45 (3')             | 89                                             | 81                |
| 880-58044-45 MS     | CS-45 (3')             | 78                                             | 88                |
| 880-58044-45 MSD    | CS-45 (3')             | 75                                             | 91                |
| 880-58044-46        | CS-46 (3')             | 84                                             | 75                |
| 880-58044-47        | CS-47 (3')             | 89                                             | 86                |
| 880-58044-48        | CS-48 (3')             | 91                                             | 83                |
| 880-58044-49        | CS-49 (3')             | 90                                             | 84                |
| 880-58044-50        | CS-50 (3')             | 93                                             | 86                |
| 880-58044-51        | CS-51 (3')             | 100                                            | 121               |
| 880-58044-51 MS     | CS-51 (3')             | 97                                             | 114               |
| 880-58044-51 MSD    | CS-51 (3')             | 99                                             | 103               |
| 880-58044-52        | CS-52 (3')             | 92                                             | 95                |
| 880-58044-53        | CS-53 (3')             | 99                                             | 112               |
| 880-58044-54        | CS-54 (3')             | 95                                             | 99                |
| 880-58044-55        | CS-55 (3')             | 93                                             | 99                |
| 880-58044-56        | CS-56 (3')             | 108                                            | 99                |
| 880-58044-57        | CS-57 (3')             | 109                                            | 120               |
| 880-58044-58        | CS-58 (3')             | 95                                             | 99                |
| 880-58044-59        | CS-59 (3')             | 98                                             | 98                |
| 880-58044-60        | CS-60 (3')             | 111                                            | 117               |
| 880-58044-61        | CS-61 (3')             | 96                                             | 103               |
| 880-58044-62        | SW-1 (0.5')            | 108                                            | 98                |
| 880-58044-63        | SW-2 (0.5')            | 102                                            | 101               |
| 880-58044-64        | SW-3 (0.5')            | 99                                             | 103               |
| 880-58044-65        | SW-4 (2.5')            | 68 S1-                                         | 97                |
| 880-58044-66        | SW-5 (3')              | 99                                             | 107               |
| 880-58044-67        | SW-6 (3')              | 113                                            | 110               |
| 880-58044-68        | SW-7 (3')              | 102                                            | 105               |
| 880-58044-69        | SW-8 (3')              | 78                                             | 76                |
| 880-58044-70        | SW-9 (3')              | 92                                             | 85                |
| LCS 880-110032/1-A  | Lab Control Sample     | 105                                            | 106               |
| LCS 880-110033/1-A  | Lab Control Sample     | 111                                            | 100               |
| LCS 880-110039/1-A  | Lab Control Sample     | 92                                             | 107               |
| LCS 880-110058/1-A  | Lab Control Sample     | 105                                            | 105               |
| LCS 880-110097/1-A  | Lab Control Sample     | 105                                            | 97                |
| LCS 880-110098/1-A  | Lab Control Sample     | 80                                             | 79                |
| LCS 880-110099/1-A  | Lab Control Sample     | 101                                            | 102               |
| LCSD 880-110032/2-A | Lab Control Sample Dup | 105                                            | 106               |
| LCSD 880-110033/2-A | Lab Control Sample Dup | 101                                            | 98                |
| LCSD 880-110039/2-A | Lab Control Sample Dup | 98                                             | 98                |
| LCSD 880-110058/2-A | Lab Control Sample Dup | 107                                            | 103               |
| LCSD 880-110097/2-A | Lab Control Sample Dup | 95                                             | 86                |
| LCSD 880-110098/2-A | Lab Control Sample Dup | 76                                             | 73                |
| LCSD 880-110099/2-A | Lab Control Sample Dup | 102                                            | 105               |
| MB 880-110026/5-A   | Method Blank           | 95                                             | 94                |

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## Surrogate Summary

Client: Carmona Resources

Job ID: 880-58044-1

Project/Site: Slick Mesa 27 State #001H

SDG: Lea 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) |
| MB 880-110032/5-A                 | Method Blank     | 98                                             | 95                |
| MB 880-110033/5-A                 | Method Blank     | 90                                             | 100               |
| MB 880-110039/5-A                 | Method Blank     | 99                                             | 106               |
| MB 880-110058/5-B                 | Method Blank     | 102                                            | 97                |
| MB 880-110097/5-A                 | Method Blank     | 88                                             | 94                |
| MB 880-110098/5-A                 | Method Blank     | 56 S1-                                         | 85                |
| MB 880-110099/5-A                 | Method Blank     | 154 S1+                                        | 90                |
| <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) |
| 880-58043-A-10-D MS  | Matrix Spike           | 79                                             | 74                |
| 880-58043-A-10-E MSD | Matrix Spike Duplicate | 79                                             | 73                |
| 880-58044-1          | CS-1 (0.5')            | 88                                             | 90                |
| 880-58044-2          | CS-2 (0.5')            | 90                                             | 93                |
| 880-58044-3          | CS-3 (0.5')            | 98                                             | 103               |
| 880-58044-4          | CS-4 (0.5')            | 87                                             | 90                |
| 880-58044-5          | CS-5 (0.5')            | 82                                             | 88                |
| 880-58044-6          | CS-6 (0.5')            | 84                                             | 88                |
| 880-58044-7          | CS-7 (0.5')            | 81                                             | 85                |
| 880-58044-8          | CS-8 (0.5')            | 93                                             | 96                |
| 880-58044-9          | CS-9 (0.5')            | 85                                             | 90                |
| 880-58044-10         | CS-10 (0.5')           | 77                                             | 81                |
| 880-58044-11         | CS-11 (0.5')           | 98                                             | 95                |
| 880-58044-11 MS      | CS-11 (0.5')           | 103                                            | 89                |
| 880-58044-11 MSD     | CS-11 (0.5')           | 105                                            | 90                |
| 880-58044-12         | CS-12 (0.5')           | 98                                             | 93                |
| 880-58044-13         | CS-13 (0.5')           | 96                                             | 91                |
| 880-58044-14         | CS-14 (0.5')           | 95                                             | 91                |
| 880-58044-15         | CS-15 (0.5')           | 101                                            | 96                |
| 880-58044-16         | CS-16 (0.5')           | 106                                            | 101               |
| 880-58044-17         | CS-17 (0.5')           | 98                                             | 92                |
| 880-58044-18         | CS-18 (0.5')           | 103                                            | 99                |
| 880-58044-19         | CS-19 (0.5')           | 108                                            | 104               |
| 880-58044-20         | CS-20 (0.5')           | 105                                            | 99                |
| 880-58044-21         | CS-21 (3')             | 106                                            | 97                |
| 880-58044-22         | CS-22 (3')             | 101                                            | 94                |
| 880-58044-23         | CS-23 (3')             | 103                                            | 96                |
| 880-58044-24         | CS-24 (3')             | 102                                            | 96                |
| 880-58044-25         | CS-25 (3')             | 99                                             | 91                |
| 880-58044-26         | CS-26 (3')             | 109                                            | 101               |
| 880-58044-27         | CS-27 (3')             | 105                                            | 96                |
| 880-58044-28         | CS-28 (3')             | 112                                            | 102               |
| 880-58044-29         | CS-29 (3')             | 106                                            | 99                |

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## Surrogate Summary

Client: Carmona Resources

Job ID: 880-58044-1

Project/Site: Slick Mesa 27 State #001H

SDG: Lea 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) |
| 880-58044-30        | CS-30 (3')             | 106                                            | 99                |
| 880-58044-31        | CS-31 (3')             | 115                                            | 107               |
| 880-58044-31 MS     | CS-31 (3')             | 101                                            | 101               |
| 880-58044-31 MSD    | CS-31 (3')             | 102                                            | 101               |
| 880-58044-32        | CS-32 (3')             | 111                                            | 104               |
| 880-58044-33        | CS-33 (3')             | 118                                            | 110               |
| 880-58044-34        | CS-34 (3')             | 117                                            | 109               |
| 880-58044-35        | CS-35 (3')             | 112                                            | 102               |
| 880-58044-36        | CS-36 (3')             | 113                                            | 102               |
| 880-58044-37        | CS-37 (3')             | 112                                            | 104               |
| 880-58044-38        | CS-38 (3')             | 115                                            | 106               |
| 880-58044-39        | CS-39 (3')             | 114                                            | 105               |
| 880-58044-40        | CS-40 (3')             | 116                                            | 107               |
| 880-58044-41        | CS-41 (3')             | 116                                            | 106               |
| 880-58044-42        | CS-42 (3')             | 108                                            | 101               |
| 880-58044-43        | CS-43 (3')             | 114                                            | 106               |
| 880-58044-44        | CS-44 (3')             | 110                                            | 104               |
| 880-58044-45        | CS-45 (3')             | 110                                            | 100               |
| 880-58044-46        | CS-46 (3')             | 116                                            | 107               |
| 880-58044-47        | CS-47 (3')             | 113                                            | 103               |
| 880-58044-48        | CS-48 (3')             | 118                                            | 106               |
| 880-58044-49        | CS-49 (3')             | 114                                            | 103               |
| 880-58044-50        | CS-50 (3')             | 114                                            | 104               |
| 880-58044-51        | CS-51 (3')             | 124                                            | 131 S1+           |
| 880-58044-51 MS     | CS-51 (3')             | 122                                            | 122               |
| 880-58044-51 MSD    | CS-51 (3')             | 123                                            | 123               |
| 880-58044-52        | CS-52 (3')             | 123                                            | 129               |
| 880-58044-53        | CS-53 (3')             | 123                                            | 127               |
| 880-58044-54        | CS-54 (3')             | 116                                            | 123               |
| 880-58044-55        | CS-55 (3')             | 110                                            | 120               |
| 880-58044-56        | CS-56 (3')             | 106                                            | 115               |
| 880-58044-57        | CS-57 (3')             | 102                                            | 108               |
| 880-58044-58        | CS-58 (3')             | 121                                            | 124               |
| 880-58044-59        | CS-59 (3')             | 120                                            | 126               |
| 880-58044-60        | CS-60 (3')             | 122                                            | 128               |
| 880-58044-61        | CS-61 (3')             | 101                                            | 106               |
| 880-58044-62        | SW-1 (0.5')            | 104                                            | 112               |
| 880-58044-63        | SW-2 (0.5')            | 129                                            | 137 S1+           |
| 880-58044-64        | SW-3 (0.5')            | 136 S1+                                        | 143 S1+           |
| 880-58044-65        | SW-4 (2.5')            | 126                                            | 134 S1+           |
| 880-58044-66        | SW-5 (3')              | 100                                            | 111               |
| 880-58044-67        | SW-6 (3')              | 106                                            | 116               |
| 880-58044-68        | SW-7 (3')              | 128                                            | 135 S1+           |
| 880-58044-69        | SW-8 (3')              | 124                                            | 131 S1+           |
| 880-58044-70        | SW-9 (3')              | 125                                            | 131 S1+           |
| LCS 880-110035/2-A  | Lab Control Sample     | 125                                            | 128               |
| LCS 880-110040/2-A  | Lab Control Sample     | 109                                            | 109               |
| LCS 880-110043/2-A  | Lab Control Sample     | 144 S1+                                        | 137 S1+           |
| LCS 880-110044/2-A  | Lab Control Sample     | 74                                             | 70                |
| LCSD 880-110035/3-A | Lab Control Sample Dup | 129                                            | 131 S1+           |

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Surrogate Summary

Client: Carmona Resources

Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1

SDG: Lea 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) |
| LCSD 880-110040/3-A         | Lab Control Sample Dup | 113                                            | 112               |
| LCSD 880-110043/3-A         | Lab Control Sample Dup | 147 S1+                                        | 139 S1+           |
| LCSD 880-110044/3-A         | Lab Control Sample Dup | 90                                             | 85                |
| MB 880-110035/1-A           | Method Blank           | 80                                             | 81                |
| MB 880-110040/1-A           | Method Blank           | 136 S1+                                        | 121               |
| MB 880-110043/1-A           | Method Blank           | 98                                             | 90                |
| MB 880-110044/1-A           | Method Blank           | 125                                            | 126               |
| Surrogate Legend            |                        |                                                |                   |
| 1CO = 1-Chlorooctane (Surr) |                        |                                                |                   |
| OTPH = o-Terphenyl (Surr)   |                        |                                                |                   |

## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-110026/5-A

Matrix: Solid

Analysis Batch: 110048

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110026

| Analyte        | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 05/13/25 11:14 | 05/13/25 14:56 | 1       |
| Toluene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 05/13/25 11:14 | 05/13/25 14:56 | 1       |
| Ethylbenzene   | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 05/13/25 11:14 | 05/13/25 14:56 | 1       |
| m,p-Xylenes    | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 05/13/25 11:14 | 05/13/25 14:56 | 1       |
| o-Xylene       | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 05/13/25 11:14 | 05/13/25 14:56 | 1       |
| Xylenes, Total | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 05/13/25 11:14 | 05/13/25 14:56 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95              |                 | 70 - 130 | 05/13/25 11:14 | 05/13/25 14:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94              |                 | 70 - 130 | 05/13/25 11:14 | 05/13/25 14:56 | 1       |

Lab Sample ID: MB 880-110032/5-A

Matrix: Solid

Analysis Batch: 110049

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110032

| Analyte        | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 14:58 | 1       |
| Toluene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 14:58 | 1       |
| Ethylbenzene   | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 14:58 | 1       |
| m,p-Xylenes    | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 14:58 | 1       |
| o-Xylene       | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 14:58 | 1       |
| Xylenes, Total | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 05/13/25 11:24 | 05/13/25 14:58 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 98              |                 | 70 - 130 | 05/13/25 11:24 | 05/13/25 14:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95              |                 | 70 - 130 | 05/13/25 11:24 | 05/13/25 14:58 | 1       |

Lab Sample ID: LCS 880-110032/1-A

Matrix: Solid

Analysis Batch: 110049

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110032

| Analyte      | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene      | 0.100          | 0.08823       |                  | mg/Kg |   | 88   | 70 - 130       |
| Toluene      | 0.100          | 0.09322       |                  | mg/Kg |   | 93   | 70 - 130       |
| Ethylbenzene | 0.100          | 0.09675       |                  | mg/Kg |   | 97   | 70 - 130       |
| m,p-Xylenes  | 0.200          | 0.1914        |                  | mg/Kg |   | 96   | 70 - 130       |
| o-Xylene     | 0.100          | 0.09589       |                  | mg/Kg |   | 96   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 105              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-110032/2-A

Matrix: Solid

Analysis Batch: 110049

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110032

| Analyte | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene | 0.100          | 0.08949        |                   | mg/Kg |   | 89   | 70 - 130       | 1   | 35           |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-110032/2-A

Matrix: Solid

Analysis Batch: 110049

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110032

| Analyte      | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec     |  | RPD | Limit |
|--------------|----------------|----------------|-------------------|-------|---|------|----------|--|-----|-------|
|              |                |                |                   |       |   |      | Limits   |  |     |       |
| Toluene      | 0.100          | 0.09505        |                   | mg/Kg |   | 95   | 70 - 130 |  | 2   | 35    |
| Ethylbenzene | 0.100          | 0.09965        |                   | mg/Kg |   | 100  | 70 - 130 |  | 3   | 35    |
| m,p-Xylenes  | 0.200          | 0.1986         |                   | mg/Kg |   | 99   | 70 - 130 |  | 4   | 35    |
| o-Xylene     | 0.100          | 0.09988        |                   | mg/Kg |   | 100  | 70 - 130 |  | 4   | 35    |

| Surrogate                   | LCSD      |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |

Lab Sample ID: 880-58043-A-11-A MS

Matrix: Solid

Analysis Batch: 110049

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 110032

| Analyte      | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec     |  |
|--------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------|--|
|              |                  |                     |                |              |                 |       |   |      | Limits   |  |
| Benzene      | <0.00200         | U                   | 0.100          | 0.07378      |                 | mg/Kg |   | 74   | 70 - 130 |  |
| Toluene      | <0.00200         | U                   | 0.100          | 0.07821      |                 | mg/Kg |   | 78   | 70 - 130 |  |
| Ethylbenzene | <0.00200         | U                   | 0.100          | 0.07966      |                 | mg/Kg |   | 80   | 70 - 130 |  |
| m,p-Xylenes  | <0.00399         | U                   | 0.200          | 0.1587       |                 | mg/Kg |   | 79   | 70 - 130 |  |
| o-Xylene     | <0.00200         | U                   | 0.100          | 0.08077      |                 | mg/Kg |   | 81   | 70 - 130 |  |

| Surrogate                   | MS        |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 4-Bromofluorobenzene (Surr) | 113       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |

Lab Sample ID: 880-58043-A-11-B MSD

Matrix: Solid

Analysis Batch: 110049

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 110032

| Analyte      | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec     |  | RPD | Limit |
|--------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------|--|-----|-------|
|              |                  |                     |                |               |                  |       |   |      | Limits   |  |     |       |
| Benzene      | <0.00200         | U                   | 0.100          | 0.08365       |                  | mg/Kg |   | 84   | 70 - 130 |  | 13  | 35    |
| Toluene      | <0.00200         | U                   | 0.100          | 0.08384       |                  | mg/Kg |   | 84   | 70 - 130 |  | 7   | 35    |
| Ethylbenzene | <0.00200         | U                   | 0.100          | 0.08456       |                  | mg/Kg |   | 85   | 70 - 130 |  | 6   | 35    |
| m,p-Xylenes  | <0.00399         | U                   | 0.200          | 0.1659        |                  | mg/Kg |   | 83   | 70 - 130 |  | 4   | 35    |
| o-Xylene     | <0.00200         | U                   | 0.100          | 0.08423       |                  | mg/Kg |   | 84   | 70 - 130 |  | 4   | 35    |

| Surrogate                   | MSD       |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 |

Lab Sample ID: MB 880-110033/5-A

Matrix: Solid

Analysis Batch: 110050

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110033

| Analyte      | MB       |           | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
|              | Result   | Qualifier |         |     |       |   |                |                |         |
| Benzene      | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 14:44 | 1       |
| Toluene      | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 14:44 | 1       |
| Ethylbenzene | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 14:44 | 1       |
| m,p-Xylenes  | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 14:44 | 1       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-110033/5-A

Matrix: Solid

Analysis Batch: 110050

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110033

| Analyte        | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| o-Xylene       | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 14:44 | 1       |
| Xylenes, Total | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 05/13/25 11:27 | 05/13/25 14:44 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90              |                 | 70 - 130 | 05/13/25 11:27 | 05/13/25 14:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100             |                 | 70 - 130 | 05/13/25 11:27 | 05/13/25 14:44 | 1       |

Lab Sample ID: LCS 880-110033/1-A

Matrix: Solid

Analysis Batch: 110050

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110033

| Analyte      | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene      | 0.100          | 0.08539       |                  | mg/Kg |   | 85   | 70 - 130       |
| Toluene      | 0.100          | 0.08557       |                  | mg/Kg |   | 86   | 70 - 130       |
| Ethylbenzene | 0.100          | 0.1010        |                  | mg/Kg |   | 101  | 70 - 130       |
| m,p-Xylenes  | 0.200          | 0.1910        |                  | mg/Kg |   | 95   | 70 - 130       |
| o-Xylene     | 0.100          | 0.09291       |                  | mg/Kg |   | 93   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 111              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-110033/2-A

Matrix: Solid

Analysis Batch: 110050

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110033

| Analyte      | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene      | 0.100          | 0.07638        |                   | mg/Kg |   | 76   | 70 - 130       | 11  | 35           |
| Toluene      | 0.100          | 0.07667        |                   | mg/Kg |   | 77   | 70 - 130       | 11  | 35           |
| Ethylbenzene | 0.100          | 0.08935        |                   | mg/Kg |   | 89   | 70 - 130       | 12  | 35           |
| m,p-Xylenes  | 0.200          | 0.1678         |                   | mg/Kg |   | 84   | 70 - 130       | 13  | 35           |
| o-Xylene     | 0.100          | 0.08272        |                   | mg/Kg |   | 83   | 70 - 130       | 12  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 101               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98                |                   | 70 - 130 |

Lab Sample ID: 880-58044-1 MS

Matrix: Solid

Analysis Batch: 110050

Client Sample ID: CS-1 (0.5')

Prep Type: Total/NA

Prep Batch: 110033

| Analyte      | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene      | <0.00200         | U                   | 0.100          | 0.07548      |                 | mg/Kg |   | 75   | 70 - 130       |
| Toluene      | <0.00200         | U                   | 0.100          | 0.07562      |                 | mg/Kg |   | 76   | 70 - 130       |
| Ethylbenzene | <0.00200         | U                   | 0.100          | 0.08297      |                 | mg/Kg |   | 83   | 70 - 130       |
| m,p-Xylenes  | <0.00399         | U                   | 0.200          | 0.1555       |                 | mg/Kg |   | 78   | 70 - 130       |
| o-Xylene     | <0.00200         | U                   | 0.100          | 0.07551      |                 | mg/Kg |   | 76   | 70 - 130       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-58044-1 MS

Matrix: Solid

Analysis Batch: 110050

Client Sample ID: CS-1 (0.5')

Prep Type: Total/NA

Prep Batch: 110033

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |

Lab Sample ID: 880-58044-1 MSD

Matrix: Solid

Analysis Batch: 110050

Client Sample ID: CS-1 (0.5')

Prep Type: Total/NA

Prep Batch: 110033

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene      | <0.00200      | U                | 0.100       | 0.08524    |               | mg/Kg |   | 85   | 70 - 130    | 12  | 35        |
| Toluene      | <0.00200      | U                | 0.100       | 0.07727    |               | mg/Kg |   | 77   | 70 - 130    | 2   | 35        |
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.09749    |               | mg/Kg |   | 97   | 70 - 130    | 16  | 35        |
| m,p-Xylenes  | <0.00399      | U                | 0.200       | 0.1829     |               | mg/Kg |   | 91   | 70 - 130    | 16  | 35        |
| o-Xylene     | <0.00200      | U                | 0.100       | 0.08895    |               | mg/Kg |   | 89   | 70 - 130    | 16  | 35        |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |

Lab Sample ID: MB 880-110039/5-A

Matrix: Solid

Analysis Batch: 110048

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110039

| Analyte        | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 01:57 | 1       |
| Toluene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 01:57 | 1       |
| Ethylbenzene   | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 01:57 | 1       |
| m,p-Xylenes    | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 01:57 | 1       |
| o-Xylene       | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 01:57 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 05/13/25 11:42 | 05/14/25 01:57 | 1       |

|                             | MB        | MB        |          |                |                |         |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 01:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 05/13/25 11:42 | 05/14/25 01:57 | 1       |

Lab Sample ID: LCS 880-110039/1-A

Matrix: Solid

Analysis Batch: 110048

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110039

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene      | 0.100       | 0.1039     |               | mg/Kg |   | 104  | 70 - 130    |
| Toluene      | 0.100       | 0.08967    |               | mg/Kg |   | 90   | 70 - 130    |
| Ethylbenzene | 0.100       | 0.09502    |               | mg/Kg |   | 95   | 70 - 130    |
| m,p-Xylenes  | 0.200       | 0.1858     |               | mg/Kg |   | 93   | 70 - 130    |
| o-Xylene     | 0.100       | 0.09472    |               | mg/Kg |   | 95   | 70 - 130    |

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

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-110039/1-A

Matrix: Solid

Analysis Batch: 110048

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110039

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

Lab Sample ID: LCSD 880-110039/2-A

Matrix: Solid

Analysis Batch: 110048

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110039

|              | LCS   | LCS     |           |       |   |      |          |     | %Rec  |  |  |
|--------------|-------|---------|-----------|-------|---|------|----------|-----|-------|--|--|
| Analyte      | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |  |  |
| Benzene      | 0.100 | 0.1051  |           | mg/Kg |   | 105  | 70 - 130 | 1   | 35    |  |  |
| Toluene      | 0.100 | 0.09024 |           | mg/Kg |   | 90   | 70 - 130 | 1   | 35    |  |  |
| Ethylbenzene | 0.100 | 0.09785 |           | mg/Kg |   | 98   | 70 - 130 | 3   | 35    |  |  |
| m,p-Xylenes  | 0.200 | 0.1864  |           | mg/Kg |   | 93   | 70 - 130 | 0   | 35    |  |  |
| o-Xylene     | 0.100 | 0.09351 |           | mg/Kg |   | 94   | 70 - 130 | 1   | 35    |  |  |

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

Lab Sample ID: 880-58044-51 MS

Matrix: Solid

Analysis Batch: 110048

Client Sample ID: CS-51 (3')

Prep Type: Total/NA

Prep Batch: 110039

|              | Sample   | Sample    | Spike | MS      | MS        |       |   |      | %Rec     |  |  |
|--------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|--|--|
| Analyte      | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |  |  |
| Benzene      | 0.00520  |           | 0.100 | 0.08816 |           | mg/Kg |   | 83   | 70 - 130 |  |  |
| Toluene      | 0.0114   | F1        | 0.100 | 0.05968 | F1        | mg/Kg |   | 48   | 70 - 130 |  |  |
| Ethylbenzene | 0.00263  |           | 0.100 | 0.07245 |           | mg/Kg |   | 70   | 70 - 130 |  |  |
| m,p-Xylenes  | <0.00399 | U F1      | 0.200 | 0.1313  | F1        | mg/Kg |   | 66   | 70 - 130 |  |  |
| o-Xylene     | <0.00200 | U         | 0.100 | 0.07742 |           | mg/Kg |   | 77   | 70 - 130 |  |  |

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 97        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 114       |           | 70 - 130 |

Lab Sample ID: 880-58044-51 MSD

Matrix: Solid

Analysis Batch: 110048

Client Sample ID: CS-51 (3')

Prep Type: Total/NA

Prep Batch: 110039

|              | Sample   | Sample    | Spike | MSD     | MSD       |       |   |      | %Rec     |     |       |
|--------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|-----|-------|
| Analyte      | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Benzene      | 0.00520  |           | 0.100 | 0.09510 |           | mg/Kg |   | 90   | 70 - 130 | 8   | 35    |
| Toluene      | 0.0114   | F1        | 0.100 | 0.05957 | F1        | mg/Kg |   | 48   | 70 - 130 | 0   | 35    |
| Ethylbenzene | 0.00263  |           | 0.100 | 0.07303 |           | mg/Kg |   | 70   | 70 - 130 | 1   | 35    |
| m,p-Xylenes  | <0.00399 | U F1      | 0.200 | 0.1283  | F1        | mg/Kg |   | 64   | 70 - 130 | 2   | 35    |
| o-Xylene     | <0.00200 | U         | 0.100 | 0.08150 |           | mg/Kg |   | 81   | 70 - 130 | 5   | 35    |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-110058/5-B

Matrix: Solid

Analysis Batch: 110092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110058

| Analyte        | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 11:27 | 1       |
| Toluene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 11:27 | 1       |
| Ethylbenzene   | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 11:27 | 1       |
| m,p-Xylenes    | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 11:27 | 1       |
| o-Xylene       | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 11:27 | 1       |
| Xylenes, Total | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 05/14/25 08:00 | 05/14/25 11:27 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102             |                 | 70 - 130 | 05/14/25 08:00 | 05/14/25 11:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97              |                 | 70 - 130 | 05/14/25 08:00 | 05/14/25 11:27 | 1       |

Lab Sample ID: LCS 880-110058/1-A

Matrix: Solid

Analysis Batch: 110092

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110058

| Analyte      | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene      | 0.100          | 0.08666       |                  | mg/Kg |   | 87   | 70 - 130       |
| Toluene      | 0.100          | 0.09248       |                  | mg/Kg |   | 92   | 70 - 130       |
| Ethylbenzene | 0.100          | 0.09652       |                  | mg/Kg |   | 97   | 70 - 130       |
| m,p-Xylenes  | 0.200          | 0.1929        |                  | mg/Kg |   | 96   | 70 - 130       |
| o-Xylene     | 0.100          | 0.09694       |                  | mg/Kg |   | 97   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 105              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 105              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-110058/2-A

Matrix: Solid

Analysis Batch: 110092

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110058

| Analyte      | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene      | 0.100          | 0.08773        |                   | mg/Kg |   | 88   | 70 - 130       | 1   | 35           |
| Toluene      | 0.100          | 0.09375        |                   | mg/Kg |   | 94   | 70 - 130       | 1   | 35           |
| Ethylbenzene | 0.100          | 0.09806        |                   | mg/Kg |   | 98   | 70 - 130       | 2   | 35           |
| m,p-Xylenes  | 0.200          | 0.1953         |                   | mg/Kg |   | 98   | 70 - 130       | 1   | 35           |
| o-Xylene     | 0.100          | 0.09795        |                   | mg/Kg |   | 98   | 70 - 130       | 1   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 107               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 103               |                   | 70 - 130 |

Lab Sample ID: 880-58044-31 MS

Matrix: Solid

Analysis Batch: 110092

Client Sample ID: CS-31 (3')

Prep Type: Total/NA

Prep Batch: 110058

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00200         | U                   | 0.100          | 0.08645      |                 | mg/Kg |   | 86   | 70 - 130       |
| Toluene | <0.00200         | U                   | 0.100          | 0.09193      |                 | mg/Kg |   | 92   | 70 - 130       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-58044-31 MS

Matrix: Solid

Analysis Batch: 110092

Client Sample ID: CS-31 (3')

Prep Type: Total/NA

Prep Batch: 110058

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.09531   |              | mg/Kg |   | 95   | 70 - 130    |
| m,p-Xylenes  | <0.00399      | U                | 0.200       | 0.1893    |              | mg/Kg |   | 95   | 70 - 130    |
| o-Xylene     | <0.00200      | U                | 0.100       | 0.09500   |              | mg/Kg |   | 95   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 112          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102          |              | 70 - 130 |

Lab Sample ID: 880-58044-31 MSD

Matrix: Solid

Analysis Batch: 110092

Client Sample ID: CS-31 (3')

Prep Type: Total/NA

Prep Batch: 110058

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene      | <0.00200      | U                | 0.100       | 0.08523    |               | mg/Kg |   | 85   | 70 - 130    | 1   | 35        |
| Toluene      | <0.00200      | U                | 0.100       | 0.08949    |               | mg/Kg |   | 89   | 70 - 130    | 3   | 35        |
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.09138    |               | mg/Kg |   | 91   | 70 - 130    | 4   | 35        |
| m,p-Xylenes  | <0.00399      | U                | 0.200       | 0.1792     |               | mg/Kg |   | 90   | 70 - 130    | 6   | 35        |
| o-Xylene     | <0.00200      | U                | 0.100       | 0.09014    |               | mg/Kg |   | 90   | 70 - 130    | 5   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 104           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106           |               | 70 - 130 |

Lab Sample ID: MB 880-110097/5-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110097

| Analyte        | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:10 | 1       |
| Toluene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:10 | 1       |
| Ethylbenzene   | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:10 | 1       |
| m,p-Xylenes    | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:10 | 1       |
| o-Xylene       | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:10 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 05/14/25 08:43 | 05/14/25 11:10 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 88           |              | 70 - 130 | 05/14/25 08:43 | 05/14/25 11:10 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94           |              | 70 - 130 | 05/14/25 08:43 | 05/14/25 11:10 | 1       |

Lab Sample ID: LCS 880-110097/1-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110097

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene      | 0.100       | 0.08382    |               | mg/Kg |   | 84   | 70 - 130    |
| Toluene      | 0.100       | 0.08415    |               | mg/Kg |   | 84   | 70 - 130    |
| Ethylbenzene | 0.100       | 0.09934    |               | mg/Kg |   | 99   | 70 - 130    |
| m,p-Xylenes  | 0.200       | 0.1874     |               | mg/Kg |   | 94   | 70 - 130    |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-110097/1-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110097

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| o-Xylene | 0.100       | 0.09126    |               | mg/Kg |   | 91   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 105           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97            |               | 70 - 130 |

Lab Sample ID: LCSD 880-110097/2-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110097

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene      | 0.100       | 0.07108     |                | mg/Kg |   | 71   | 70 - 130    | 16  | 35        |
| Toluene      | 0.100       | 0.07363     |                | mg/Kg |   | 74   | 70 - 130    | 13  | 35        |
| Ethylbenzene | 0.100       | 0.09242     |                | mg/Kg |   | 92   | 70 - 130    | 7   | 35        |
| m,p-Xylenes  | 0.200       | 0.1685      |                | mg/Kg |   | 84   | 70 - 130    | 11  | 35        |
| o-Xylene     | 0.100       | 0.08147     |                | mg/Kg |   | 81   | 70 - 130    | 11  | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 95             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 86             |                | 70 - 130 |

Lab Sample ID: 880-58044-39 MS

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: CS-39 (3')

Prep Type: Total/NA

Prep Batch: 110097

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene      | <0.00200      | U F1             | 0.100       | 0.06939   | F1           | mg/Kg |   | 69   | 70 - 130    |
| Toluene      | <0.00200      | U F1             | 0.100       | 0.06815   | F1           | mg/Kg |   | 68   | 70 - 130    |
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.07474   |              | mg/Kg |   | 75   | 70 - 130    |
| m,p-Xylenes  | <0.00399      | U F1             | 0.200       | 0.1371    | F1           | mg/Kg |   | 69   | 70 - 130    |
| o-Xylene     | <0.00200      | U F1             | 0.100       | 0.06842   | F1           | mg/Kg |   | 68   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 103          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 86           |              | 70 - 130 |

Lab Sample ID: 880-58044-39 MSD

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: CS-39 (3')

Prep Type: Total/NA

Prep Batch: 110097

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene      | <0.00200      | U F1             | 0.100       | 0.07594    |               | mg/Kg |   | 76   | 70 - 130    | 9   | 35        |
| Toluene      | <0.00200      | U F1             | 0.100       | 0.07347    |               | mg/Kg |   | 73   | 70 - 130    | 8   | 35        |
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.07802    |               | mg/Kg |   | 78   | 70 - 130    | 4   | 35        |
| m,p-Xylenes  | <0.00399      | U F1             | 0.200       | 0.1458     |               | mg/Kg |   | 73   | 70 - 130    | 6   | 35        |
| o-Xylene     | <0.00200      | U F1             | 0.100       | 0.07370    |               | mg/Kg |   | 74   | 70 - 130    | 7   | 35        |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-58044-39 MSD

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: CS-39 (3')

Prep Type: Total/NA

Prep Batch: 110097

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

Lab Sample ID: MB 880-110098/5-A

Matrix: Solid

Analysis Batch: 110091

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110098

| Analyte        | MB       | MB        |         |     |       |   |                |                |     |     |
|----------------|----------|-----------|---------|-----|-------|---|----------------|----------------|-----|-----|
|                | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil | Fac |
| Benzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:17 | 1   |     |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:17 | 1   |     |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:17 | 1   |     |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:17 | 1   |     |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:17 | 1   |     |
| Xylenes, Total | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 05/14/25 08:48 | 05/14/25 11:17 | 1   |     |

|                             | MB        | MB        |          |  |  |  |                |                |     |     |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|-----|-----|
| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil | Fac |
| 4-Bromofluorobenzene (Surr) | 56        | S1-       | 70 - 130 |  |  |  | 05/14/25 08:48 | 05/14/25 11:17 | 1   |     |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 |  |  |  | 05/14/25 08:48 | 05/14/25 11:17 | 1   |     |

Lab Sample ID: LCS 880-110098/1-A

Matrix: Solid

Analysis Batch: 110091

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110098

| Analyte      | Spike | LCS     | LCS       |       |   |      |          | %Rec |  |  |
|--------------|-------|---------|-----------|-------|---|------|----------|------|--|--|
|              | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |      |  |  |
| Benzene      | 0.100 | 0.07457 |           | mg/Kg |   | 75   | 70 - 130 |      |  |  |
| Toluene      | 0.100 | 0.07088 |           | mg/Kg |   | 71   | 70 - 130 |      |  |  |
| Ethylbenzene | 0.100 | 0.07184 |           | mg/Kg |   | 72   | 70 - 130 |      |  |  |
| m,p-Xylenes  | 0.200 | 0.1383  | *-        | mg/Kg |   | 69   | 70 - 130 |      |  |  |
| o-Xylene     | 0.100 | 0.07159 |           | mg/Kg |   | 72   | 70 - 130 |      |  |  |

|                             | LCS       | LCS       |          |  |  |  |  |  |  |  |
|-----------------------------|-----------|-----------|----------|--|--|--|--|--|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  |  |  |  |  |
| 4-Bromofluorobenzene (Surr) | 80        |           | 70 - 130 |  |  |  |  |  |  |  |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 |  |  |  |  |  |  |  |

Lab Sample ID: LCSD 880-110098/2-A

Matrix: Solid

Analysis Batch: 110091

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110098

| Analyte      | Spike | LCSD    | LCSD      |       |   |      |          | %Rec |     | RPD   |
|--------------|-------|---------|-----------|-------|---|------|----------|------|-----|-------|
|              | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |      | RPD | Limit |
| Benzene      | 0.100 | 0.07418 |           | mg/Kg |   | 74   | 70 - 130 |      | 1   | 35    |
| Toluene      | 0.100 | 0.07085 |           | mg/Kg |   | 71   | 70 - 130 |      | 0   | 35    |
| Ethylbenzene | 0.100 | 0.07077 |           | mg/Kg |   | 71   | 70 - 130 |      | 2   | 35    |
| m,p-Xylenes  | 0.200 | 0.1370  | *-        | mg/Kg |   | 69   | 70 - 130 |      | 1   | 35    |
| o-Xylene     | 0.100 | 0.07139 |           | mg/Kg |   | 71   | 70 - 130 |      | 0   | 35    |

|                             | LCSD      | LCSD      |          |  |  |  |  |  |  |  |
|-----------------------------|-----------|-----------|----------|--|--|--|--|--|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  |  |  |  |  |
| 4-Bromofluorobenzene (Surr) | 76        |           | 70 - 130 |  |  |  |  |  |  |  |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-110098/2-A

Matrix: Solid

Analysis Batch: 110091

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110098

|                            | LCSD      | LCSD      |          |
|----------------------------|-----------|-----------|----------|
| Surrogate                  | %Recovery | Qualifier | Limits   |
| 1,4-Difluorobenzene (Surr) | 73        |           | 70 - 130 |

Lab Sample ID: 880-58044-45 MS

Matrix: Solid

Analysis Batch: 110091

Client Sample ID: CS-45 (3')

Prep Type: Total/NA

Prep Batch: 110098

|              | Sample   | Sample    | Spike | MS      | MS        |       |   | %Rec |          |
|--------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|
| Analyte      | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |
| Benzene      | <0.00200 | U         | 0.100 | 0.08339 |           | mg/Kg |   | 83   | 70 - 130 |
| Toluene      | <0.00200 | U         | 0.100 | 0.07640 |           | mg/Kg |   | 76   | 70 - 130 |
| Ethylbenzene | <0.00200 | U         | 0.100 | 0.07943 |           | mg/Kg |   | 79   | 70 - 130 |
| m,p-Xylenes  | <0.00399 | U *       | 0.200 | 0.1553  |           | mg/Kg |   | 78   | 70 - 130 |
| o-Xylene     | <0.00200 | U         | 0.100 | 0.07990 |           | mg/Kg |   | 80   | 70 - 130 |

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 78        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 |

Lab Sample ID: 880-58044-45 MSD

Matrix: Solid

Analysis Batch: 110091

Client Sample ID: CS-45 (3')

Prep Type: Total/NA

Prep Batch: 110098

|              | Sample   | Sample    | Spike | MSD     | MSD       |       |   | %Rec |          | RPD |       |
|--------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|-----|-------|
| Analyte      | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Benzene      | <0.00200 | U         | 0.100 | 0.08435 |           | mg/Kg |   | 84   | 70 - 130 | 1   | 35    |
| Toluene      | <0.00200 | U         | 0.100 | 0.07558 |           | mg/Kg |   | 76   | 70 - 130 | 1   | 35    |
| Ethylbenzene | <0.00200 | U         | 0.100 | 0.07823 |           | mg/Kg |   | 78   | 70 - 130 | 2   | 35    |
| m,p-Xylenes  | <0.00399 | U *       | 0.200 | 0.1533  |           | mg/Kg |   | 77   | 70 - 130 | 1   | 35    |
| o-Xylene     | <0.00200 | U         | 0.100 | 0.07923 |           | mg/Kg |   | 79   | 70 - 130 | 1   | 35    |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 75        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 |

Lab Sample ID: MB 880-110099/5-A

Matrix: Solid

Analysis Batch: 110090

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110099

|                | MB       | MB        |         |     |       |   |                |                |     |     |
|----------------|----------|-----------|---------|-----|-------|---|----------------|----------------|-----|-----|
| Analyte        | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil | Fac |
| Benzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 12:24 | 1   |     |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 12:24 | 1   |     |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 12:24 | 1   |     |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 12:24 | 1   |     |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 12:24 | 1   |     |
| Xylenes, Total | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 05/14/25 08:53 | 05/14/25 12:24 | 1   |     |

|                             | MB        | MB        |          |                |                |     |     |  |  |  |
|-----------------------------|-----------|-----------|----------|----------------|----------------|-----|-----|--|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil | Fac |  |  |  |
| 4-Bromofluorobenzene (Surr) | 154       | S1+       | 70 - 130 | 05/14/25 08:53 | 05/14/25 12:24 | 1   |     |  |  |  |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 | 05/14/25 08:53 | 05/14/25 12:24 | 1   |     |  |  |  |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-110099/1-A

Matrix: Solid

Analysis Batch: 110090

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110099

| Analyte      | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------|----------------|---------------|------------------|-------|---|------|----------------|
|              |                |               |                  |       |   |      |                |
| Benzene      | 0.100          | 0.08817       |                  | mg/Kg |   | 88   | 70 - 130       |
| Toluene      | 0.100          | 0.07881       |                  | mg/Kg |   | 79   | 70 - 130       |
| Ethylbenzene | 0.100          | 0.08548       |                  | mg/Kg |   | 85   | 70 - 130       |
| m,p-Xylenes  | 0.200          | 0.1690        |                  | mg/Kg |   | 85   | 70 - 130       |
| o-Xylene     | 0.100          | 0.08660       |                  | mg/Kg |   | 87   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 101              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-110099/2-A

Matrix: Solid

Analysis Batch: 110090

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110099

| Analyte      | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
|              |                |                |                   |       |   |      |                |     |              |
| Benzene      | 0.100          | 0.08263        |                   | mg/Kg |   | 83   | 70 - 130       | 6   | 35           |
| Toluene      | 0.100          | 0.07950        |                   | mg/Kg |   | 79   | 70 - 130       | 1   | 35           |
| Ethylbenzene | 0.100          | 0.07580        |                   | mg/Kg |   | 76   | 70 - 130       | 12  | 35           |
| m,p-Xylenes  | 0.200          | 0.1594         |                   | mg/Kg |   | 80   | 70 - 130       | 6   | 35           |
| o-Xylene     | 0.100          | 0.08254        |                   | mg/Kg |   | 83   | 70 - 130       | 5   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 102               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 105               |                   | 70 - 130 |

Lab Sample ID: 880-58044-36 MS

Matrix: Solid

Analysis Batch: 110090

Client Sample ID: CS-36 (3')

Prep Type: Total/NA

Prep Batch: 110099

| Analyte      | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
|              |                  |                     |                |              |                 |       |   |      |                |
| Benzene      | <0.00200         | U                   | 0.100          | 0.08484      |                 | mg/Kg |   | 85   | 70 - 130       |
| Toluene      | <0.00200         | U                   | 0.100          | 0.07858      |                 | mg/Kg |   | 79   | 70 - 130       |
| Ethylbenzene | <0.00200         | U F2                | 0.100          | 0.08195      |                 | mg/Kg |   | 82   | 70 - 130       |
| m,p-Xylenes  | <0.00399         | U                   | 0.200          | 0.1739       |                 | mg/Kg |   | 87   | 70 - 130       |
| o-Xylene     | <0.00200         | U                   | 0.100          | 0.08952      |                 | mg/Kg |   | 90   | 70 - 130       |

| Surrogate                   | MS<br>%Recovery | MS<br>Qualifier | Limits   |
|-----------------------------|-----------------|-----------------|----------|
| 4-Bromofluorobenzene (Surr) | 106             |                 | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97              |                 | 70 - 130 |

Lab Sample ID: 880-58044-36 MSD

Matrix: Solid

Analysis Batch: 110090

Client Sample ID: CS-36 (3')

Prep Type: Total/NA

Prep Batch: 110099

| Analyte      | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
|              |                  |                     |                |               |                  |       |   |      |                |     |              |
| Benzene      | <0.00200         | U                   | 0.100          | 0.1093        |                  | mg/Kg |   | 109  | 70 - 130       | 25  | 35           |
| Toluene      | <0.00200         | U                   | 0.100          | 0.09960       |                  | mg/Kg |   | 100  | 70 - 130       | 24  | 35           |
| Ethylbenzene | <0.00200         | U F2                | 0.100          | 0.1191        | F2               | mg/Kg |   | 119  | 70 - 130       | 37  | 35           |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-58044-36 MSD

Matrix: Solid

Analysis Batch: 110090

Client Sample ID: CS-36 (3')

Prep Type: Total/NA

Prep Batch: 110099

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| m,p-Xylenes                 | <0.00399      | U                | 0.200       | 0.2310     |               | mg/Kg |   | 115  | 70 - 130    | 28  | 35        |
| o-Xylene                    | <0.00200      | U                | 0.100       | 0.1143     |               | mg/Kg |   | 114  | 70 - 130    | 24  | 35        |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 113           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 99            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

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

Lab Sample ID: MB 880-110035/1-A

Matrix: Solid

Analysis Batch: 110067

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110035

| 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 |   | 05/13/25 11:38 | 05/13/25 23:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     |     | mg/Kg |   | 05/13/25 11:38 | 05/13/25 23:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     |     | mg/Kg |   | 05/13/25 11:38 | 05/13/25 23:04 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 80           |              | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/13/25 23:04 | 1       |
| o-Terphenyl (Surr)                   | 81           |              | 70 - 130 |     |       |   | 05/13/25 11:38 | 05/13/25 23:04 | 1       |

Lab Sample ID: LCS 880-110035/2-A

Matrix: Solid

Analysis Batch: 110067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110035

| Analyte                              | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|--------------------------------------|---------------|---------------|---------------|-------|---|------|-------------|--|--|
| Gasoline Range Organics (GRO)-C6-C10 | 1000          | 942.4         |               | mg/Kg |   | 94   | 70 - 130    |  |  |
| Diesel Range Organics (Over C10-C28) | 1000          | 1096          |               | mg/Kg |   | 110  | 70 - 130    |  |  |
| Surrogate                            | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |             |  |  |
| 1-Chlorooctane (Surr)                | 125           |               | 70 - 130      |       |   |      |             |  |  |
| o-Terphenyl (Surr)                   | 128           |               | 70 - 130      |       |   |      |             |  |  |

Lab Sample ID: LCSD 880-110035/3-A

Matrix: Solid

Analysis Batch: 110067

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110035

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1004        |                | mg/Kg |   | 100  | 70 - 130    | 6   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1160        |                | mg/Kg |   | 116  | 70 - 130    | 6   | 20        |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-110035/3-A

Matrix: Solid

Analysis Batch: 110067

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110035

|                       | LCSD      | LCSD      |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 129       |           | 70 - 130 |
| o-Terphenyl (Surr)    | 131       | S1+       | 70 - 130 |

Lab Sample ID: 880-58043-A-10-D MS

Matrix: Solid

Analysis Batch: 110067

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 110035

|                                      | Sample    | Sample    | Spike    | MS     | MS        |       |   |      | %Rec     |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|--|
| Analyte                              | Result    | Qualifier | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Gasoline Range Organics (GRO)-C6-C10 | <50.1     | U F1      | 1010     | 624.7  | F1        | mg/Kg |   | 61   | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) | <50.1     | U F1      | 1010     | 618.1  | F1        | mg/Kg |   | 60   | 70 - 130 |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |  |
| 1-Chlorooctane (Surr)                | 79        |           | 70 - 130 |        |           |       |   |      |          |  |
| o-Terphenyl (Surr)                   | 74        |           | 70 - 130 |        |           |       |   |      |          |  |

Lab Sample ID: 880-58043-A-10-E MSD

Matrix: Solid

Analysis Batch: 110067

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 110035

|                                      | 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 | <50.1     | U F1      | 1010     | 621.2  | F1        | mg/Kg |   | 60   | 70 - 130 | 1   | 20    |  |
| Diesel Range Organics (Over C10-C28) | <50.1     | U F1      | 1010     | 620.1  | F1        | mg/Kg |   | 60   | 70 - 130 | 0   | 20    |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |     |       |  |
| 1-Chlorooctane (Surr)                | 79        |           | 70 - 130 |        |           |       |   |      |          |     |       |  |
| o-Terphenyl (Surr)                   | 73        |           | 70 - 130 |        |           |       |   |      |          |     |       |  |

Lab Sample ID: MB 880-110040/1-A

Matrix: Solid

Analysis Batch: 110071

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110040

|                                      | MB        | MB        |          |     |       |   |                |                |         |  |  |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|--|--|
| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 04:27 | 1       |  |  |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 04:27 | 1       |  |  |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:43 | 05/13/25 04:27 | 1       |  |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |  |  |
| 1-Chlorooctane (Surr)                | 136       | S1+       | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 04:27 | 1       |  |  |
| o-Terphenyl (Surr)                   | 121       |           | 70 - 130 |     |       |   | 05/13/25 11:43 | 05/13/25 04:27 | 1       |  |  |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-110040/2-A

Matrix: Solid

Analysis Batch: 110071

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110040

| Analyte                                 | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|-----------------------------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | 1000           | 902.8         |                  | mg/Kg |   | 90   | 70 - 130       |
| Diesel Range Organics (Over<br>C10-C28) | 1000           | 923.4         |                  | mg/Kg |   | 92   | 70 - 130       |
|                                         |                |               |                  |       |   |      |                |
|                                         | LCS            | LCS           |                  |       |   |      |                |
| Surrogate                               | %Recovery      | Qualifier     | Limits           |       |   |      |                |
| 1-Chlorooctane (Surr)                   | 109            |               | 70 - 130         |       |   |      |                |
| o-Terphenyl (Surr)                      | 109            |               | 70 - 130         |       |   |      |                |

Lab Sample ID: LCSD 880-110040/3-A

Matrix: Solid

Analysis Batch: 110071

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110040

| Analyte                                 | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | 1000           | 920.1          |                   | mg/Kg |   | 92   | 70 - 130       | 2   | 20           |
| Diesel Range Organics (Over<br>C10-C28) | 1000           | 956.2          |                   | mg/Kg |   | 96   | 70 - 130       | 3   | 20           |
|                                         |                |                |                   |       |   |      |                |     |              |
|                                         | LCSD           | LCSD           |                   |       |   |      |                |     |              |
| Surrogate                               | %Recovery      | Qualifier      | Limits            |       |   |      |                |     |              |
| 1-Chlorooctane (Surr)                   | 113            |                | 70 - 130          |       |   |      |                |     |              |
| o-Terphenyl (Surr)                      | 112            |                | 70 - 130          |       |   |      |                |     |              |

Lab Sample ID: 880-58044-11 MS

Matrix: Solid

Analysis Batch: 110071

Client Sample ID: CS-11 (0.5')

Prep Type: Total/NA

Prep Batch: 110040

| 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<br>(GRO)-C6-C10 | <50.1            | U                   | 1000           | 839.6        |                 | mg/Kg |   | 82   | 70 - 130       |
| Diesel Range Organics (Over<br>C10-C28) | <50.1            | U                   | 1000           | 793.9        |                 | mg/Kg |   | 79   | 70 - 130       |
|                                         |                  |                     |                |              |                 |       |   |      |                |
|                                         | MS               | MS                  |                |              |                 |       |   |      |                |
| Surrogate                               | %Recovery        | Qualifier           | Limits         |              |                 |       |   |      |                |
| 1-Chlorooctane (Surr)                   | 103              |                     | 70 - 130       |              |                 |       |   |      |                |
| o-Terphenyl (Surr)                      | 89               |                     | 70 - 130       |              |                 |       |   |      |                |

Lab Sample ID: 880-58044-11 MSD

Matrix: Solid

Analysis Batch: 110071

Client Sample ID: CS-11 (0.5')

Prep Type: Total/NA

Prep Batch: 110040

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <50.1            | U                   | 1000           | 860.3         |                  | mg/Kg |   | 84   | 70 - 130       | 2   | 20           |
| Diesel Range Organics (Over<br>C10-C28) | <50.1            | U                   | 1000           | 807.7         |                  | mg/Kg |   | 81   | 70 - 130       | 2   | 20           |
|                                         |                  |                     |                |               |                  |       |   |      |                |     |              |
|                                         | MSD              | MSD                 |                |               |                  |       |   |      |                |     |              |
| Surrogate                               | %Recovery        | Qualifier           | Limits         |               |                  |       |   |      |                |     |              |
| 1-Chlorooctane (Surr)                   | 105              |                     | 70 - 130       |               |                  |       |   |      |                |     |              |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-58044-11 MSD

Matrix: Solid

Analysis Batch: 110071

Client Sample ID: CS-11 (0.5')

Prep Type: Total/NA

Prep Batch: 110040

|                            | MSD       | MSD       |          |
|----------------------------|-----------|-----------|----------|
| Surrogate                  | %Recovery | Qualifier | Limits   |
| <i>o</i> -Terphenyl (Surr) | 90        |           | 70 - 130 |

Lab Sample ID: MB 880-110043/1-A

Matrix: Solid

Analysis Batch: 110071

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110043

| Analyte                              | MB        | MB        | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:46 | 05/13/25 23:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:46 | 05/13/25 23:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 05/13/25 11:46 | 05/13/25 23:04 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 98        |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/13/25 23:04 | 1       |
| <i>o</i> -Terphenyl (Surr)           | 90        |           | 70 - 130 |     |       |   | 05/13/25 11:46 | 05/13/25 23:04 | 1       |

Lab Sample ID: LCS 880-110043/2-A

Matrix: Solid

Analysis Batch: 110071

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110043

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1084       |               | mg/Kg |   | 108  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1217       |               | mg/Kg |   | 122  | 70 - 130    |
| Surrogate                            | %Recovery   | Qualifier  | Limits        |       |   |      |             |
| 1-Chlorooctane (Surr)                | 144         | S1+        | 70 - 130      |       |   |      |             |
| <i>o</i> -Terphenyl (Surr)           | 137         | S1+        | 70 - 130      |       |   |      |             |

Lab Sample ID: LCSD 880-110043/3-A

Matrix: Solid

Analysis Batch: 110071

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110043

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1098        |                | mg/Kg |   | 110  | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1250        |                | mg/Kg |   | 125  | 70 - 130    | 3   | 20        |
| Surrogate                            | %Recovery   | Qualifier   | Limits         |       |   |      |             |     |           |
| 1-Chlorooctane (Surr)                | 147         | S1+         | 70 - 130       |       |   |      |             |     |           |
| <i>o</i> -Terphenyl (Surr)           | 139         | S1+         | 70 - 130       |       |   |      |             |     |           |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-58044-31 MS

Matrix: Solid

Analysis Batch: 110071

Client Sample ID: CS-31 (3')

Prep Type: Total/NA

Prep Batch: 110043

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1         | U                | 1000        | 878.0     |              | mg/Kg |   | 86   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <50.1         | U                | 1000        | 884.5     |              | mg/Kg |   | 88   | 70 - 130    |
| Surrogate                            | %Recovery     | MS Qualifier     | Limits      | MS        | MS           |       |   |      |             |
| 1-Chlorooctane (Surr)                | 101           |                  | 70 - 130    |           |              |       |   |      |             |
| o-Terphenyl (Surr)                   | 101           |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 880-58044-31 MSD

Matrix: Solid

Analysis Batch: 110071

Client Sample ID: CS-31 (3')

Prep Type: Total/NA

Prep Batch: 110043

| 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 | <50.1         | U                | 1000        | 891.1      |               | mg/Kg |   | 87   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.1         | U                | 1000        | 879.9      |               | mg/Kg |   | 88   | 70 - 130    | 1   | 20        |
| Surrogate                            | %Recovery     | MSD Qualifier    | Limits      | MSD        | MSD           |       |   |      |             |     |           |
| 1-Chlorooctane (Surr)                | 102           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl (Surr)                   | 101           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

Lab Sample ID: MB 880-110044/1-A

Matrix: Solid

Analysis Batch: 110022

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110044

| 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 |   | 05/13/25 11:47 | 05/13/25 18:24 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 18:24 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0     |     | mg/Kg |   | 05/13/25 11:47 | 05/13/25 18:24 | 1       |
| Surrogate                            | %Recovery | MB Qualifier | Limits   | MB  | MB    |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 125       |              | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 18:24 | 1       |
| o-Terphenyl (Surr)                   | 126       |              | 70 - 130 |     |       |   | 05/13/25 11:47 | 05/13/25 18:24 | 1       |

Lab Sample ID: LCS 880-110044/2-A

Matrix: Solid

Analysis Batch: 110022

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110044

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 919.8      |               | mg/Kg |   | 92   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 919.7      |               | mg/Kg |   | 92   | 70 - 130    |

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-110044/2-A

Matrix: Solid

Analysis Batch: 110022

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110044

|                       | LCS       | LCS       |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 74        |           | 70 - 130 |
| o-Terphenyl (Surr)    | 70        |           | 70 - 130 |

Lab Sample ID: LCSD 880-110044/3-A

Matrix: Solid

Analysis Batch: 110022

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110044

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1105        |                | mg/Kg |   | 111  | 70 - 130    | 18  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1130        | *1             | mg/Kg |   | 113  | 70 - 130    | 21  | 20        |

|                       | LCSD      | LCSD      |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 90        |           | 70 - 130 |
| o-Terphenyl (Surr)    | 85        |           | 70 - 130 |

Lab Sample ID: 880-58044-51 MS

Matrix: Solid

Analysis Batch: 110022

Client Sample ID: CS-51 (3')

Prep Type: Total/NA

Prep Batch: 110044

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 995         | 962.1     |              | mg/Kg |   | 97   | 70 - 130    |     |           |
| Diesel Range Organics (Over C10-C28) | <49.9         | U *1             | 995         | 859.0     |              | mg/Kg |   | 84   | 70 - 130    |     |           |

|                       | MS        | MS        |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 122       |           | 70 - 130 |
| o-Terphenyl (Surr)    | 122       |           | 70 - 130 |

Lab Sample ID: 880-58044-51 MSD

Matrix: Solid

Analysis Batch: 110022

Client Sample ID: CS-51 (3')

Prep Type: Total/NA

Prep Batch: 110044

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 995         | 938.0      |               | mg/Kg |   | 94   | 70 - 130    | 3   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U *1             | 995         | 868.0      |               | mg/Kg |   | 85   | 70 - 130    | 1   | 20        |

|                       | MSD       | MSD       |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 123       |           | 70 - 130 |
| o-Terphenyl (Surr)    | 123       |           | 70 - 130 |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110045/1-A  
Matrix: Solid  
Analysis Batch: 110060

Client Sample ID: Method Blank  
Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.0        | U               | 10.0 |     | mg/Kg |   |          | 05/13/25 17:07 | 1       |

Lab Sample ID: LCS 880-110045/2-A  
Matrix: Solid  
Analysis Batch: 110060

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 256.7         |                  | mg/Kg |   | 103  | 90 - 110       |

Lab Sample ID: LCSD 880-110045/3-A  
Matrix: Solid  
Analysis Batch: 110060

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 243.5          |                   | mg/Kg |   | 97   | 90 - 110       | 5   | 20           |

Lab Sample ID: 880-58044-51 MS  
Matrix: Solid  
Analysis Batch: 110060

Client Sample ID: CS-51 (3')  
Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 98.9             | F1                  | 250            | 385.7        | F1              | mg/Kg |   | 115  | 90 - 110       |

Lab Sample ID: 880-58044-51 MSD  
Matrix: Solid  
Analysis Batch: 110060

Client Sample ID: CS-51 (3')  
Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 98.9             | F1                  | 250            | 385.4         | F1               | mg/Kg |   | 115  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-58044-61 MS  
Matrix: Solid  
Analysis Batch: 110060

Client Sample ID: CS-61 (3')  
Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 87.8             | F1                  | 249            | 362.6        | F1              | mg/Kg |   | 111  | 90 - 110       |

Lab Sample ID: 880-58044-61 MSD  
Matrix: Solid  
Analysis Batch: 110060

Client Sample ID: CS-61 (3')  
Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 87.8             | F1                  | 249            | 365.9         | F1               | mg/Kg |   | 112  | 90 - 110       | 1   | 20           |

Lab Sample ID: MB 880-110038/1-A  
Matrix: Solid  
Analysis Batch: 110062

Client Sample ID: Method Blank  
Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.0        | U               | 10.0 |     | mg/Kg |   |          | 05/13/25 14:32 | 1       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-110038/2-A

Matrix: Solid

Analysis Batch: 110062

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 235.2      |               | mg/Kg |   | 94   | 90 - 110    |

Lab Sample ID: LCSD 880-110038/3-A

Matrix: Solid

Analysis Batch: 110062

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 236.8       |                | mg/Kg |   | 95   | 90 - 110    | 1   | 20        |

Lab Sample ID: 880-58044-1 MS

Matrix: Solid

Analysis Batch: 110062

Client Sample ID: CS-1 (0.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 89.3          | F2 F1            | 251         | 385.6     | F1           | mg/Kg |   | 118  | 90 - 110    |

Lab Sample ID: 880-58044-1 MSD

Matrix: Solid

Analysis Batch: 110062

Client Sample ID: CS-1 (0.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 89.3          | F2 F1            | 251         | 386.1      | F1            | mg/Kg |   | 118  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-58044-11 MS

Matrix: Solid

Analysis Batch: 110062

Client Sample ID: CS-11 (0.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 112           |                  | 251         | 374.1     |              | mg/Kg |   | 105  | 90 - 110    |

Lab Sample ID: 880-58044-11 MSD

Matrix: Solid

Analysis Batch: 110062

Client Sample ID: CS-11 (0.5')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 112           |                  | 251         | 374.9      |               | mg/Kg |   | 105  | 90 - 110    | 0   | 20        |

Lab Sample ID: MB 880-110042/1-A

Matrix: Solid

Analysis Batch: 110064

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.0     | U            | 10.0 |     | mg/Kg |   |          | 05/13/25 17:34 | 1       |

Lab Sample ID: LCS 880-110042/2-A

Matrix: Solid

Analysis Batch: 110064

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 240.0      |               | mg/Kg |   | 96   | 90 - 110    |

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-110042/3-A  
Matrix: Solid  
Analysis Batch: 110064

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         | 240.9       |                | mg/Kg |   | 96   | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-58044-31 MS  
Matrix: Solid  
Analysis Batch: 110064

Client Sample ID: CS-31 (3')  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Chloride | 96.5          |                  | 253         | 347.3     |              | mg/Kg |   | 99   | 90 - 110    |     |           |

Lab Sample ID: 880-58044-31 MSD  
Matrix: Solid  
Analysis Batch: 110064

Client Sample ID: CS-31 (3')  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 96.5          |                  | 253         | 348.7      |               | mg/Kg |   | 100  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-58044-41 MS  
Matrix: Solid  
Analysis Batch: 110064

Client Sample ID: CS-41 (3')  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Chloride | 91.3          |                  | 250         | 339.6     |              | mg/Kg |   | 100  | 90 - 110    |     |           |

Lab Sample ID: 880-58044-41 MSD  
Matrix: Solid  
Analysis Batch: 110064

Client Sample ID: CS-41 (3')  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 91.3          |                  | 250         | 340.8      |               | mg/Kg |   | 100  | 90 - 110    | 0   | 20        |

Lab Sample ID: MB 880-110041/1-A  
Matrix: Solid  
Analysis Batch: 110065

Client Sample ID: Method Blank  
Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.0     | U            | 10.0 |     | mg/Kg |   |          | 05/13/25 19:41 | 1       |

Lab Sample ID: LCS 880-110041/2-A  
Matrix: Solid  
Analysis Batch: 110065

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         | 252.6      |               | mg/Kg |   | 101  | 90 - 110    |     |           |

Lab Sample ID: LCSD 880-110041/3-A  
Matrix: Solid  
Analysis Batch: 110065

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         | 241.2       |                | mg/Kg |   | 96   | 90 - 110    | 5   | 20        |

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QC Sample Results

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

|                                |               |                  |             |           |              |       |   |      |             |  |                              |  |
|--------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|------------------------------|--|
| Lab Sample ID: 880-58044-21 MS |               |                  |             |           |              |       |   |      |             |  | Client Sample ID: CS-21 (3') |  |
| Matrix: Solid                  |               |                  |             |           |              |       |   |      |             |  | Prep Type: Soluble           |  |
| Analysis Batch: 110065         |               |                  |             |           |              |       |   |      |             |  |                              |  |
| Analyte                        | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |                              |  |
| Chloride                       | 71.1          | F1               | 249         | 356.5     | F1           | mg/Kg |   | 115  | 90 - 110    |  |                              |  |

|                                 |               |                  |             |            |               |       |   |      |             |  |                              |           |
|---------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|--|------------------------------|-----------|
| Lab Sample ID: 880-58044-21 MSD |               |                  |             |            |               |       |   |      |             |  | Client Sample ID: CS-21 (3') |           |
| Matrix: Solid                   |               |                  |             |            |               |       |   |      |             |  | Prep Type: Soluble           |           |
| Analysis Batch: 110065          |               |                  |             |            |               |       |   |      |             |  |                              |           |
| Analyte                         | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits |  | RPD                          | RPD Limit |
| Chloride                        | 71.1          | F1               | 249         | 357.4      | F1            | mg/Kg |   | 115  | 90 - 110    |  | 0                            | 20        |

## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## GC VOA

## Prep Batch: 110026

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| MB 880-110026/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 110032

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-21         | CS-21 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-22         | CS-22 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-23         | CS-23 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-24         | CS-24 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-25         | CS-25 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-26         | CS-26 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-27         | CS-27 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-28         | CS-28 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-29         | CS-29 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-30         | CS-30 (3')             | Total/NA  | Solid  | 5035   |            |
| MB 880-110032/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-110032/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-110032/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-58043-A-11-A MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-58043-A-11-B MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 110033

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-1         | CS-1 (0.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-2         | CS-2 (0.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-3         | CS-3 (0.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-4         | CS-4 (0.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-5         | CS-5 (0.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-6         | CS-6 (0.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-7         | CS-7 (0.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-8         | CS-8 (0.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-9         | CS-9 (0.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-10        | CS-10 (0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-58044-11        | CS-11 (0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-58044-12        | CS-12 (0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-58044-13        | CS-13 (0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-58044-14        | CS-14 (0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-58044-15        | CS-15 (0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-58044-16        | CS-16 (0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-58044-17        | CS-17 (0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-58044-18        | CS-18 (0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-58044-19        | CS-19 (0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-58044-20        | CS-20 (0.5')           | Total/NA  | Solid  | 5035   |            |
| MB 880-110033/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-110033/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-110033/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-58044-1 MS      | CS-1 (0.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-1 MSD     | CS-1 (0.5')            | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 110039

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-58044-51  | CS-51 (3')       | Total/NA  | Solid  | 5035   |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## GC VOA (Continued)

## Prep Batch: 110039 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-52        | CS-52 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-53        | CS-53 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-54        | CS-54 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-55        | CS-55 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-56        | CS-56 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-57        | CS-57 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-58        | CS-58 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-59        | CS-59 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-60        | CS-60 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-61        | CS-61 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-62        | SW-1 (0.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-63        | SW-2 (0.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-64        | SW-3 (0.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-65        | SW-4 (2.5')            | Total/NA  | Solid  | 5035   |            |
| 880-58044-66        | SW-5 (3')              | Total/NA  | Solid  | 5035   |            |
| 880-58044-67        | SW-6 (3')              | Total/NA  | Solid  | 5035   |            |
| 880-58044-68        | SW-7 (3')              | Total/NA  | Solid  | 5035   |            |
| 880-58044-69        | SW-8 (3')              | Total/NA  | Solid  | 5035   |            |
| 880-58044-70        | SW-9 (3')              | Total/NA  | Solid  | 5035   |            |
| MB 880-110039/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-110039/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-110039/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-58044-51 MS     | CS-51 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-51 MSD    | CS-51 (3')             | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 110048

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-51        | CS-51 (3')             | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-52        | CS-52 (3')             | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-53        | CS-53 (3')             | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-54        | CS-54 (3')             | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-55        | CS-55 (3')             | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-56        | CS-56 (3')             | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-57        | CS-57 (3')             | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-58        | CS-58 (3')             | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-59        | CS-59 (3')             | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-60        | CS-60 (3')             | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-61        | CS-61 (3')             | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-62        | SW-1 (0.5')            | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-63        | SW-2 (0.5')            | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-64        | SW-3 (0.5')            | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-65        | SW-4 (2.5')            | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-66        | SW-5 (3')              | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-67        | SW-6 (3')              | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-68        | SW-7 (3')              | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-69        | SW-8 (3')              | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-70        | SW-9 (3')              | Total/NA  | Solid  | 8021B  | 110039     |
| MB 880-110026/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 110026     |
| MB 880-110039/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 110039     |
| LCS 880-110039/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 110039     |
| LCSD 880-110039/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 110039     |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## GC VOA (Continued)

## Analysis Batch: 110048 (Continued)

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 880-58044-51 MS  | CS-51 (3')       | Total/NA  | Solid  | 8021B  | 110039     |
| 880-58044-51 MSD | CS-51 (3')       | Total/NA  | Solid  | 8021B  | 110039     |

## Analysis Batch: 110049

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-21         | CS-21 (3')             | Total/NA  | Solid  | 8021B  | 110032     |
| 880-58044-22         | CS-22 (3')             | Total/NA  | Solid  | 8021B  | 110032     |
| 880-58044-23         | CS-23 (3')             | Total/NA  | Solid  | 8021B  | 110032     |
| 880-58044-24         | CS-24 (3')             | Total/NA  | Solid  | 8021B  | 110032     |
| 880-58044-25         | CS-25 (3')             | Total/NA  | Solid  | 8021B  | 110032     |
| 880-58044-26         | CS-26 (3')             | Total/NA  | Solid  | 8021B  | 110032     |
| 880-58044-27         | CS-27 (3')             | Total/NA  | Solid  | 8021B  | 110032     |
| 880-58044-28         | CS-28 (3')             | Total/NA  | Solid  | 8021B  | 110032     |
| 880-58044-29         | CS-29 (3')             | Total/NA  | Solid  | 8021B  | 110032     |
| 880-58044-30         | CS-30 (3')             | Total/NA  | Solid  | 8021B  | 110032     |
| MB 880-110032/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 110032     |
| LCS 880-110032/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 110032     |
| LCSD 880-110032/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 110032     |
| 880-58043-A-11-A MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 110032     |
| 880-58043-A-11-B MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 110032     |

## Analysis Batch: 110050

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-1         | CS-1 (0.5')            | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-2         | CS-2 (0.5')            | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-3         | CS-3 (0.5')            | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-4         | CS-4 (0.5')            | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-5         | CS-5 (0.5')            | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-6         | CS-6 (0.5')            | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-7         | CS-7 (0.5')            | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-8         | CS-8 (0.5')            | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-9         | CS-9 (0.5')            | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-10        | CS-10 (0.5')           | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-11        | CS-11 (0.5')           | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-12        | CS-12 (0.5')           | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-13        | CS-13 (0.5')           | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-14        | CS-14 (0.5')           | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-15        | CS-15 (0.5')           | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-16        | CS-16 (0.5')           | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-17        | CS-17 (0.5')           | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-18        | CS-18 (0.5')           | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-19        | CS-19 (0.5')           | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-20        | CS-20 (0.5')           | Total/NA  | Solid  | 8021B  | 110033     |
| MB 880-110033/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 110033     |
| LCS 880-110033/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 110033     |
| LCSD 880-110033/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-1 MS      | CS-1 (0.5')            | Total/NA  | Solid  | 8021B  | 110033     |
| 880-58044-1 MSD     | CS-1 (0.5')            | Total/NA  | Solid  | 8021B  | 110033     |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## GC VOA

## Prep Batch: 110058

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-31        | CS-31 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-32        | CS-32 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-33        | CS-33 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-34        | CS-34 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-35        | CS-35 (3')             | Total/NA  | Solid  | 5035   |            |
| MB 880-110058/5-B   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-110058/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-110058/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-58044-31 MS     | CS-31 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-31 MSD    | CS-31 (3')             | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 110089

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-39        | CS-39 (3')             | Total/NA  | Solid  | 8021B  | 110097     |
| 880-58044-40        | CS-40 (3')             | Total/NA  | Solid  | 8021B  | 110097     |
| 880-58044-41        | CS-41 (3')             | Total/NA  | Solid  | 8021B  | 110097     |
| 880-58044-42        | CS-42 (3')             | Total/NA  | Solid  | 8021B  | 110097     |
| 880-58044-43        | CS-43 (3')             | Total/NA  | Solid  | 8021B  | 110097     |
| 880-58044-44        | CS-44 (3')             | Total/NA  | Solid  | 8021B  | 110097     |
| MB 880-110097/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 110097     |
| LCS 880-110097/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 110097     |
| LCSD 880-110097/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 110097     |
| 880-58044-39 MS     | CS-39 (3')             | Total/NA  | Solid  | 8021B  | 110097     |
| 880-58044-39 MSD    | CS-39 (3')             | Total/NA  | Solid  | 8021B  | 110097     |

## Analysis Batch: 110090

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-36        | CS-36 (3')             | Total/NA  | Solid  | 8021B  | 110099     |
| 880-58044-37        | CS-37 (3')             | Total/NA  | Solid  | 8021B  | 110099     |
| 880-58044-38        | CS-38 (3')             | Total/NA  | Solid  | 8021B  | 110099     |
| MB 880-110099/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 110099     |
| LCS 880-110099/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 110099     |
| LCSD 880-110099/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 110099     |
| 880-58044-36 MS     | CS-36 (3')             | Total/NA  | Solid  | 8021B  | 110099     |
| 880-58044-36 MSD    | CS-36 (3')             | Total/NA  | Solid  | 8021B  | 110099     |

## Analysis Batch: 110091

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-45        | CS-45 (3')             | Total/NA  | Solid  | 8021B  | 110098     |
| 880-58044-46        | CS-46 (3')             | Total/NA  | Solid  | 8021B  | 110098     |
| 880-58044-47        | CS-47 (3')             | Total/NA  | Solid  | 8021B  | 110098     |
| 880-58044-48        | CS-48 (3')             | Total/NA  | Solid  | 8021B  | 110098     |
| 880-58044-49        | CS-49 (3')             | Total/NA  | Solid  | 8021B  | 110098     |
| 880-58044-50        | CS-50 (3')             | Total/NA  | Solid  | 8021B  | 110098     |
| MB 880-110098/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 110098     |
| LCS 880-110098/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 110098     |
| LCSD 880-110098/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 110098     |
| 880-58044-45 MS     | CS-45 (3')             | Total/NA  | Solid  | 8021B  | 110098     |
| 880-58044-45 MSD    | CS-45 (3')             | Total/NA  | Solid  | 8021B  | 110098     |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## GC VOA

## Analysis Batch: 110092

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-31        | CS-31 (3')             | Total/NA  | Solid  | 8021B  | 110058     |
| 880-58044-32        | CS-32 (3')             | Total/NA  | Solid  | 8021B  | 110058     |
| 880-58044-33        | CS-33 (3')             | Total/NA  | Solid  | 8021B  | 110058     |
| 880-58044-34        | CS-34 (3')             | Total/NA  | Solid  | 8021B  | 110058     |
| 880-58044-35        | CS-35 (3')             | Total/NA  | Solid  | 8021B  | 110058     |
| MB 880-110058/5-B   | Method Blank           | Total/NA  | Solid  | 8021B  | 110058     |
| LCS 880-110058/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 110058     |
| LCSD 880-110058/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 110058     |
| 880-58044-31 MS     | CS-31 (3')             | Total/NA  | Solid  | 8021B  | 110058     |
| 880-58044-31 MSD    | CS-31 (3')             | Total/NA  | Solid  | 8021B  | 110058     |

## Prep Batch: 110097

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-39        | CS-39 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-40        | CS-40 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-41        | CS-41 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-42        | CS-42 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-43        | CS-43 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-44        | CS-44 (3')             | Total/NA  | Solid  | 5035   |            |
| MB 880-110097/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-110097/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-110097/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-58044-39 MS     | CS-39 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-39 MSD    | CS-39 (3')             | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 110098

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-45        | CS-45 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-46        | CS-46 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-47        | CS-47 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-48        | CS-48 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-49        | CS-49 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-50        | CS-50 (3')             | Total/NA  | Solid  | 5035   |            |
| MB 880-110098/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-110098/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-110098/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-58044-45 MS     | CS-45 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-45 MSD    | CS-45 (3')             | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 110099

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-36        | CS-36 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-37        | CS-37 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-38        | CS-38 (3')             | Total/NA  | Solid  | 5035   |            |
| MB 880-110099/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-110099/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-110099/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-58044-36 MS     | CS-36 (3')             | Total/NA  | Solid  | 5035   |            |
| 880-58044-36 MSD    | CS-36 (3')             | Total/NA  | Solid  | 5035   |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## GC VOA

## Analysis Batch: 110141

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-58044-1   | CS-1 (0.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-2   | CS-2 (0.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-3   | CS-3 (0.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-4   | CS-4 (0.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-5   | CS-5 (0.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-6   | CS-6 (0.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-7   | CS-7 (0.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-8   | CS-8 (0.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-9   | CS-9 (0.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-10  | CS-10 (0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-11  | CS-11 (0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-12  | CS-12 (0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-13  | CS-13 (0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-14  | CS-14 (0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-15  | CS-15 (0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-16  | CS-16 (0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-17  | CS-17 (0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-18  | CS-18 (0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-19  | CS-19 (0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-20  | CS-20 (0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-21  | CS-21 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-22  | CS-22 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-23  | CS-23 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-24  | CS-24 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-25  | CS-25 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-26  | CS-26 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-27  | CS-27 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-28  | CS-28 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-29  | CS-29 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-30  | CS-30 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-31  | CS-31 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-32  | CS-32 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-33  | CS-33 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-34  | CS-34 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-35  | CS-35 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-36  | CS-36 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-37  | CS-37 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-38  | CS-38 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-39  | CS-39 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-40  | CS-40 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-41  | CS-41 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-42  | CS-42 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-43  | CS-43 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-44  | CS-44 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-45  | CS-45 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-46  | CS-46 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-47  | CS-47 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-48  | CS-48 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-49  | CS-49 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-50  | CS-50 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-51  | CS-51 (3')       | Total/NA  | Solid  | Total BTEX |            |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## GC VOA (Continued)

## Analysis Batch: 110141 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-58044-52  | CS-52 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-53  | CS-53 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-54  | CS-54 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-55  | CS-55 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-56  | CS-56 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-57  | CS-57 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-58  | CS-58 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-59  | CS-59 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-60  | CS-60 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-61  | CS-61 (3')       | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-62  | SW-1 (0.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-63  | SW-2 (0.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-64  | SW-3 (0.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-65  | SW-4 (2.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-66  | SW-5 (3')        | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-67  | SW-6 (3')        | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-68  | SW-7 (3')        | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-69  | SW-8 (3')        | Total/NA  | Solid  | Total BTEX |            |
| 880-58044-70  | SW-9 (3')        | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 110022

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-58044-51        | CS-51 (3')             | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-52        | CS-52 (3')             | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-53        | CS-53 (3')             | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-54        | CS-54 (3')             | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-55        | CS-55 (3')             | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-56        | CS-56 (3')             | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-57        | CS-57 (3')             | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-58        | CS-58 (3')             | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-59        | CS-59 (3')             | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-60        | CS-60 (3')             | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-61        | CS-61 (3')             | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-62        | SW-1 (0.5')            | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-63        | SW-2 (0.5')            | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-64        | SW-3 (0.5')            | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-65        | SW-4 (2.5')            | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-66        | SW-5 (3')              | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-67        | SW-6 (3')              | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-68        | SW-7 (3')              | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-69        | SW-8 (3')              | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-70        | SW-9 (3')              | Total/NA  | Solid  | 8015B NM | 110044     |
| MB 880-110044/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 110044     |
| LCS 880-110044/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 110044     |
| LCSD 880-110044/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-51 MS     | CS-51 (3')             | Total/NA  | Solid  | 8015B NM | 110044     |
| 880-58044-51 MSD    | CS-51 (3')             | Total/NA  | Solid  | 8015B NM | 110044     |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## GC Semi VOA

## Prep Batch: 110035

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 880-58044-1          | CS-1 (0.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-2          | CS-2 (0.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-3          | CS-3 (0.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-4          | CS-4 (0.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-5          | CS-5 (0.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-6          | CS-6 (0.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-7          | CS-7 (0.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-8          | CS-8 (0.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-9          | CS-9 (0.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-10         | CS-10 (0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-110035/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-110035/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-110035/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58043-A-10-D MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58043-A-10-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 110040

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-58044-11        | CS-11 (0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-12        | CS-12 (0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-13        | CS-13 (0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-14        | CS-14 (0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-15        | CS-15 (0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-16        | CS-16 (0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-17        | CS-17 (0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-18        | CS-18 (0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-19        | CS-19 (0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-20        | CS-20 (0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-21        | CS-21 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-22        | CS-22 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-23        | CS-23 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-24        | CS-24 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-25        | CS-25 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-26        | CS-26 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-27        | CS-27 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-28        | CS-28 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-29        | CS-29 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-30        | CS-30 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-110040/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-110040/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-110040/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-11 MS     | CS-11 (0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-11 MSD    | CS-11 (0.5')           | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 110043

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 880-58044-31  | CS-31 (3')       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-32  | CS-32 (3')       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-33  | CS-33 (3')       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-34  | CS-34 (3')       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-35  | CS-35 (3')       | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 110043 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-58044-36        | CS-36 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-37        | CS-37 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-38        | CS-38 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-39        | CS-39 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-40        | CS-40 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-41        | CS-41 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-42        | CS-42 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-43        | CS-43 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-44        | CS-44 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-45        | CS-45 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-46        | CS-46 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-47        | CS-47 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-48        | CS-48 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-49        | CS-49 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-50        | CS-50 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-110043/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-110043/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-110043/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-31 MS     | CS-31 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-31 MSD    | CS-31 (3')             | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 110044

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-58044-51        | CS-51 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-52        | CS-52 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-53        | CS-53 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-54        | CS-54 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-55        | CS-55 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-56        | CS-56 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-57        | CS-57 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-58        | CS-58 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-59        | CS-59 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-60        | CS-60 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-61        | CS-61 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-62        | SW-1 (0.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-63        | SW-2 (0.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-64        | SW-3 (0.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-65        | SW-4 (2.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-66        | SW-5 (3')              | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-67        | SW-6 (3')              | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-68        | SW-7 (3')              | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-69        | SW-8 (3')              | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-70        | SW-9 (3')              | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-110044/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-110044/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-110044/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-51 MS     | CS-51 (3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-58044-51 MSD    | CS-51 (3')             | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## GC Semi VOA

## Analysis Batch: 110067

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 880-58044-1          | CS-1 (0.5')            | Total/NA  | Solid  | 8015B NM | 110035     |
| 880-58044-2          | CS-2 (0.5')            | Total/NA  | Solid  | 8015B NM | 110035     |
| 880-58044-3          | CS-3 (0.5')            | Total/NA  | Solid  | 8015B NM | 110035     |
| 880-58044-4          | CS-4 (0.5')            | Total/NA  | Solid  | 8015B NM | 110035     |
| 880-58044-5          | CS-5 (0.5')            | Total/NA  | Solid  | 8015B NM | 110035     |
| 880-58044-6          | CS-6 (0.5')            | Total/NA  | Solid  | 8015B NM | 110035     |
| 880-58044-7          | CS-7 (0.5')            | Total/NA  | Solid  | 8015B NM | 110035     |
| 880-58044-8          | CS-8 (0.5')            | Total/NA  | Solid  | 8015B NM | 110035     |
| 880-58044-9          | CS-9 (0.5')            | Total/NA  | Solid  | 8015B NM | 110035     |
| 880-58044-10         | CS-10 (0.5')           | Total/NA  | Solid  | 8015B NM | 110035     |
| MB 880-110035/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 110035     |
| LCS 880-110035/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 110035     |
| LCSD 880-110035/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 110035     |
| 880-58043-A-10-D MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 110035     |
| 880-58043-A-10-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 110035     |

## Analysis Batch: 110071

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-58044-11  | CS-11 (0.5')     | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-12  | CS-12 (0.5')     | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-13  | CS-13 (0.5')     | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-14  | CS-14 (0.5')     | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-15  | CS-15 (0.5')     | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-16  | CS-16 (0.5')     | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-17  | CS-17 (0.5')     | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-18  | CS-18 (0.5')     | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-19  | CS-19 (0.5')     | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-20  | CS-20 (0.5')     | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-21  | CS-21 (3')       | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-22  | CS-22 (3')       | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-23  | CS-23 (3')       | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-24  | CS-24 (3')       | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-25  | CS-25 (3')       | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-26  | CS-26 (3')       | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-27  | CS-27 (3')       | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-28  | CS-28 (3')       | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-29  | CS-29 (3')       | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-30  | CS-30 (3')       | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-31  | CS-31 (3')       | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-32  | CS-32 (3')       | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-33  | CS-33 (3')       | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-34  | CS-34 (3')       | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-35  | CS-35 (3')       | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-36  | CS-36 (3')       | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-37  | CS-37 (3')       | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-38  | CS-38 (3')       | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-39  | CS-39 (3')       | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-40  | CS-40 (3')       | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-41  | CS-41 (3')       | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-42  | CS-42 (3')       | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-43  | CS-43 (3')       | Total/NA  | Solid  | 8015B NM | 110043     |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 110071 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-58044-44        | CS-44 (3')             | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-45        | CS-45 (3')             | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-46        | CS-46 (3')             | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-47        | CS-47 (3')             | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-48        | CS-48 (3')             | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-49        | CS-49 (3')             | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-50        | CS-50 (3')             | Total/NA  | Solid  | 8015B NM | 110043     |
| MB 880-110040/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 110040     |
| MB 880-110043/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 110043     |
| LCS 880-110040/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 110040     |
| LCS 880-110043/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 110043     |
| LCSD 880-110040/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 110040     |
| LCSD 880-110043/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-11 MS     | CS-11 (0.5')           | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-11 MSD    | CS-11 (0.5')           | Total/NA  | Solid  | 8015B NM | 110040     |
| 880-58044-31 MS     | CS-31 (3')             | Total/NA  | Solid  | 8015B NM | 110043     |
| 880-58044-31 MSD    | CS-31 (3')             | Total/NA  | Solid  | 8015B NM | 110043     |

## Analysis Batch: 110126

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-58044-1   | CS-1 (0.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-2   | CS-2 (0.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-3   | CS-3 (0.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-4   | CS-4 (0.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-5   | CS-5 (0.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-6   | CS-6 (0.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-7   | CS-7 (0.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-8   | CS-8 (0.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-9   | CS-9 (0.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-10  | CS-10 (0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-11  | CS-11 (0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-12  | CS-12 (0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-13  | CS-13 (0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-14  | CS-14 (0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-15  | CS-15 (0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-16  | CS-16 (0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-17  | CS-17 (0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-18  | CS-18 (0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-19  | CS-19 (0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-20  | CS-20 (0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-21  | CS-21 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-22  | CS-22 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-23  | CS-23 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-24  | CS-24 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-25  | CS-25 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-26  | CS-26 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-27  | CS-27 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-28  | CS-28 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-29  | CS-29 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-30  | CS-30 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-31  | CS-31 (3')       | Total/NA  | Solid  | 8015 NM |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 110126 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-58044-32  | CS-32 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-33  | CS-33 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-34  | CS-34 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-35  | CS-35 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-36  | CS-36 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-37  | CS-37 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-38  | CS-38 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-39  | CS-39 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-40  | CS-40 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-41  | CS-41 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-42  | CS-42 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-43  | CS-43 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-44  | CS-44 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-45  | CS-45 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-46  | CS-46 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-47  | CS-47 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-48  | CS-48 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-49  | CS-49 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-50  | CS-50 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-51  | CS-51 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-52  | CS-52 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-53  | CS-53 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-54  | CS-54 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-55  | CS-55 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-56  | CS-56 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-57  | CS-57 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-58  | CS-58 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-59  | CS-59 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-60  | CS-60 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-61  | CS-61 (3')       | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-62  | SW-1 (0.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-63  | SW-2 (0.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-64  | SW-3 (0.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-65  | SW-4 (2.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-66  | SW-5 (3')        | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-67  | SW-6 (3')        | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-68  | SW-7 (3')        | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-69  | SW-8 (3')        | Total/NA  | Solid  | 8015 NM |            |
| 880-58044-70  | SW-9 (3')        | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 110038

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-58044-1   | CS-1 (0.5')      | Soluble   | Solid  | DI Leach |            |
| 880-58044-2   | CS-2 (0.5')      | Soluble   | Solid  | DI Leach |            |
| 880-58044-3   | CS-3 (0.5')      | Soluble   | Solid  | DI Leach |            |
| 880-58044-4   | CS-4 (0.5')      | Soluble   | Solid  | DI Leach |            |
| 880-58044-5   | CS-5 (0.5')      | Soluble   | Solid  | DI Leach |            |
| 880-58044-6   | CS-6 (0.5')      | Soluble   | Solid  | DI Leach |            |
| 880-58044-7   | CS-7 (0.5')      | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## HPLC/IC (Continued)

## Leach Batch: 110038 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-58044-8         | CS-8 (0.5')            | Soluble   | Solid  | DI Leach |            |
| 880-58044-9         | CS-9 (0.5')            | Soluble   | Solid  | DI Leach |            |
| 880-58044-10        | CS-10 (0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-58044-11        | CS-11 (0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-58044-12        | CS-12 (0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-58044-13        | CS-13 (0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-58044-14        | CS-14 (0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-58044-15        | CS-15 (0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-58044-16        | CS-16 (0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-58044-17        | CS-17 (0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-58044-18        | CS-18 (0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-58044-19        | CS-19 (0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-58044-20        | CS-20 (0.5')           | Soluble   | Solid  | DI Leach |            |
| MB 880-110038/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-110038/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-110038/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-58044-1 MS      | CS-1 (0.5')            | Soluble   | Solid  | DI Leach |            |
| 880-58044-1 MSD     | CS-1 (0.5')            | Soluble   | Solid  | DI Leach |            |
| 880-58044-11 MS     | CS-11 (0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-58044-11 MSD    | CS-11 (0.5')           | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 110041

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-58044-21        | CS-21 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-22        | CS-22 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-23        | CS-23 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-24        | CS-24 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-25        | CS-25 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-26        | CS-26 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-27        | CS-27 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-28        | CS-28 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-29        | CS-29 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-30        | CS-30 (3')             | Soluble   | Solid  | DI Leach |            |
| MB 880-110041/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-110041/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-110041/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-58044-21 MS     | CS-21 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-21 MSD    | CS-21 (3')             | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 110042

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-58044-31  | CS-31 (3')       | Soluble   | Solid  | DI Leach |            |
| 880-58044-32  | CS-32 (3')       | Soluble   | Solid  | DI Leach |            |
| 880-58044-33  | CS-33 (3')       | Soluble   | Solid  | DI Leach |            |
| 880-58044-34  | CS-34 (3')       | Soluble   | Solid  | DI Leach |            |
| 880-58044-35  | CS-35 (3')       | Soluble   | Solid  | DI Leach |            |
| 880-58044-36  | CS-36 (3')       | Soluble   | Solid  | DI Leach |            |
| 880-58044-37  | CS-37 (3')       | Soluble   | Solid  | DI Leach |            |
| 880-58044-38  | CS-38 (3')       | Soluble   | Solid  | DI Leach |            |
| 880-58044-39  | CS-39 (3')       | Soluble   | Solid  | DI Leach |            |
| 880-58044-40  | CS-40 (3')       | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## HPLC/IC (Continued)

## Leach Batch: 110042 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-58044-41        | CS-41 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-42        | CS-42 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-43        | CS-43 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-44        | CS-44 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-45        | CS-45 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-46        | CS-46 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-47        | CS-47 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-48        | CS-48 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-49        | CS-49 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-50        | CS-50 (3')             | Soluble   | Solid  | DI Leach |            |
| MB 880-110042/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-110042/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-110042/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-58044-31 MS     | CS-31 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-31 MSD    | CS-31 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-41 MS     | CS-41 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-41 MSD    | CS-41 (3')             | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 110045

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-58044-51        | CS-51 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-52        | CS-52 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-53        | CS-53 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-54        | CS-54 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-55        | CS-55 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-56        | CS-56 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-57        | CS-57 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-58        | CS-58 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-59        | CS-59 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-60        | CS-60 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-61        | CS-61 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-62        | SW-1 (0.5')            | Soluble   | Solid  | DI Leach |            |
| 880-58044-63        | SW-2 (0.5')            | Soluble   | Solid  | DI Leach |            |
| 880-58044-64        | SW-3 (0.5')            | Soluble   | Solid  | DI Leach |            |
| 880-58044-65        | SW-4 (2.5')            | Soluble   | Solid  | DI Leach |            |
| 880-58044-66        | SW-5 (3')              | Soluble   | Solid  | DI Leach |            |
| 880-58044-67        | SW-6 (3')              | Soluble   | Solid  | DI Leach |            |
| 880-58044-68        | SW-7 (3')              | Soluble   | Solid  | DI Leach |            |
| 880-58044-69        | SW-8 (3')              | Soluble   | Solid  | DI Leach |            |
| 880-58044-70        | SW-9 (3')              | Soluble   | Solid  | DI Leach |            |
| MB 880-110045/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-110045/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-110045/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-58044-51 MS     | CS-51 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-51 MSD    | CS-51 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-61 MS     | CS-61 (3')             | Soluble   | Solid  | DI Leach |            |
| 880-58044-61 MSD    | CS-61 (3')             | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 110060

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-58044-51  | CS-51 (3')       | Soluble   | Solid  | 300.0  | 110045     |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## HPLC/IC (Continued)

## Analysis Batch: 110060 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-52        | CS-52 (3')             | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-53        | CS-53 (3')             | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-54        | CS-54 (3')             | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-55        | CS-55 (3')             | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-56        | CS-56 (3')             | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-57        | CS-57 (3')             | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-58        | CS-58 (3')             | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-59        | CS-59 (3')             | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-60        | CS-60 (3')             | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-61        | CS-61 (3')             | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-62        | SW-1 (0.5')            | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-63        | SW-2 (0.5')            | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-64        | SW-3 (0.5')            | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-65        | SW-4 (2.5')            | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-66        | SW-5 (3')              | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-67        | SW-6 (3')              | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-68        | SW-7 (3')              | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-69        | SW-8 (3')              | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-70        | SW-9 (3')              | Soluble   | Solid  | 300.0  | 110045     |
| MB 880-110045/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 110045     |
| LCS 880-110045/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 110045     |
| LCSD 880-110045/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-51 MS     | CS-51 (3')             | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-51 MSD    | CS-51 (3')             | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-61 MS     | CS-61 (3')             | Soluble   | Solid  | 300.0  | 110045     |
| 880-58044-61 MSD    | CS-61 (3')             | Soluble   | Solid  | 300.0  | 110045     |

## Analysis Batch: 110062

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 880-58044-1        | CS-1 (0.5')        | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-2        | CS-2 (0.5')        | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-3        | CS-3 (0.5')        | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-4        | CS-4 (0.5')        | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-5        | CS-5 (0.5')        | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-6        | CS-6 (0.5')        | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-7        | CS-7 (0.5')        | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-8        | CS-8 (0.5')        | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-9        | CS-9 (0.5')        | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-10       | CS-10 (0.5')       | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-11       | CS-11 (0.5')       | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-12       | CS-12 (0.5')       | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-13       | CS-13 (0.5')       | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-14       | CS-14 (0.5')       | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-15       | CS-15 (0.5')       | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-16       | CS-16 (0.5')       | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-17       | CS-17 (0.5')       | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-18       | CS-18 (0.5')       | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-19       | CS-19 (0.5')       | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-20       | CS-20 (0.5')       | Soluble   | Solid  | 300.0  | 110038     |
| MB 880-110038/1-A  | Method Blank       | Soluble   | Solid  | 300.0  | 110038     |
| LCS 880-110038/2-A | Lab Control Sample | Soluble   | Solid  | 300.0  | 110038     |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## HPLC/IC (Continued)

## Analysis Batch: 110062 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| LCSD 880-110038/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-1 MS      | CS-1 (0.5')            | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-1 MSD     | CS-1 (0.5')            | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-11 MS     | CS-11 (0.5')           | Soluble   | Solid  | 300.0  | 110038     |
| 880-58044-11 MSD    | CS-11 (0.5')           | Soluble   | Solid  | 300.0  | 110038     |

## Analysis Batch: 110064

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-31        | CS-31 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-32        | CS-32 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-33        | CS-33 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-34        | CS-34 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-35        | CS-35 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-36        | CS-36 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-37        | CS-37 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-38        | CS-38 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-39        | CS-39 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-40        | CS-40 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-41        | CS-41 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-42        | CS-42 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-43        | CS-43 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-44        | CS-44 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-45        | CS-45 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-46        | CS-46 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-47        | CS-47 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-48        | CS-48 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-49        | CS-49 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-50        | CS-50 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| MB 880-110042/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 110042     |
| LCS 880-110042/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 110042     |
| LCSD 880-110042/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-31 MS     | CS-31 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-31 MSD    | CS-31 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-41 MS     | CS-41 (3')             | Soluble   | Solid  | 300.0  | 110042     |
| 880-58044-41 MSD    | CS-41 (3')             | Soluble   | Solid  | 300.0  | 110042     |

## Analysis Batch: 110065

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-58044-21        | CS-21 (3')             | Soluble   | Solid  | 300.0  | 110041     |
| 880-58044-22        | CS-22 (3')             | Soluble   | Solid  | 300.0  | 110041     |
| 880-58044-23        | CS-23 (3')             | Soluble   | Solid  | 300.0  | 110041     |
| 880-58044-24        | CS-24 (3')             | Soluble   | Solid  | 300.0  | 110041     |
| 880-58044-25        | CS-25 (3')             | Soluble   | Solid  | 300.0  | 110041     |
| 880-58044-26        | CS-26 (3')             | Soluble   | Solid  | 300.0  | 110041     |
| 880-58044-27        | CS-27 (3')             | Soluble   | Solid  | 300.0  | 110041     |
| 880-58044-28        | CS-28 (3')             | Soluble   | Solid  | 300.0  | 110041     |
| 880-58044-29        | CS-29 (3')             | Soluble   | Solid  | 300.0  | 110041     |
| 880-58044-30        | CS-30 (3')             | Soluble   | Solid  | 300.0  | 110041     |
| MB 880-110041/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 110041     |
| LCS 880-110041/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 110041     |
| LCSD 880-110041/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 110041     |

Eurofins Midland

QC Association Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 110065 (Continued)

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 880-58044-21 MS  | CS-21 (3')       | Soluble   | Solid  | 300.0  | 110041     |
| 880-58044-21 MSD | CS-21 (3')       | Soluble   | Solid  | 300.0  | 110041     |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-1 (0.5')

## Lab Sample ID: 880-58044-1

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 15:06       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 15:06       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 03:26       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 110035       | 05/13/25 11:38       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110067       | 05/14/25 03:26       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 14:47       | CH      | EET MID |

## Client Sample ID: CS-2 (0.5')

## Lab Sample ID: 880-58044-2

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 15:26       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 15:26       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 03:42       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10 mL        | 110035       | 05/13/25 11:38       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110067       | 05/14/25 03:42       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 15:03       | CH      | EET MID |

## Client Sample ID: CS-3 (0.5')

## Lab Sample ID: 880-58044-3

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 15:47       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 15:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 03:59       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 110035       | 05/13/25 11:38       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110067       | 05/14/25 03:59       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 15:08       | CH      | EET MID |

## Client Sample ID: CS-4 (0.5')

## Lab Sample ID: 880-58044-4

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 16:07       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 16:07       | SM      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (0.5')

Lab Sample ID: 880-58044-4

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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          |                |              | 110126       | 05/14/25 04:15       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 110035       | 05/13/25 11:38       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110067       | 05/14/25 04:15       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 15:13       | CH      | EET MID |

Client Sample ID: CS-5 (0.5')

Lab Sample ID: 880-58044-5

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 16:28       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 16:28       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 04:32       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.97 g         | 10 mL        | 110035       | 05/13/25 11:38       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110067       | 05/14/25 04:32       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 15:19       | CH      | EET MID |

Client Sample ID: CS-6 (0.5')

Lab Sample ID: 880-58044-6

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 mL         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 16:49       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 16:49       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 04:47       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.95 g         | 10 mL        | 110035       | 05/13/25 11:38       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110067       | 05/14/25 04:47       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 15:34       | CH      | EET MID |

Client Sample ID: CS-7 (0.5')

Lab Sample ID: 880-58044-7

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 17:09       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 17:09       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 05:04       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 110035       | 05/13/25 11:38       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110067       | 05/14/25 05:04       | TKC     | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-7 (0.5')

## Lab Sample ID: 880-58044-7

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 15:39       | CH      | EET MID |

## Client Sample ID: CS-8 (0.5')

## Lab Sample ID: 880-58044-8

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 17:30       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 17:30       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 05:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 110035       | 05/13/25 11:38       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110067       | 05/14/25 05:20       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 15:45       | CH      | EET MID |

## Client Sample ID: CS-9 (0.5')

## Lab Sample ID: 880-58044-9

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 17:50       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 17:50       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 05:36       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 110035       | 05/13/25 11:38       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110067       | 05/14/25 05:36       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 15:50       | CH      | EET MID |

## Client Sample ID: CS-10 (0.5')

## Lab Sample ID: 880-58044-10

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 18:11       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 18:11       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 05:52       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 110035       | 05/13/25 11:38       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110067       | 05/14/25 05:52       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 15:55       | CH      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-11 (0.5')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-11

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 19:35       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 19:35       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 15:44       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 15:44       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 16:00       | CH      | EET MID |

## Client Sample ID: CS-12 (0.5')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-12

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 19:55       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 19:55       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 16:33       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 16:33       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 16:16       | CH      | EET MID |

## Client Sample ID: CS-13 (0.5')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-13

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 20:16       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 20:16       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 16:49       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 16:49       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 16:21       | CH      | EET MID |

## Client Sample ID: CS-14 (0.5')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-14

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 20:36       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 20:36       | SM      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (0.5')

Lab Sample ID: 880-58044-14

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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          |                |              | 110126       | 05/13/25 17:06       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 17:06       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 16:36       | CH      | EET MID |

Client Sample ID: CS-15 (0.5')

Lab Sample ID: 880-58044-15

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 20:57       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 20:57       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 17:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 17:22       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 16:42       | CH      | EET MID |

Client Sample ID: CS-16 (0.5')

Lab Sample ID: 880-58044-16

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 21:17       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 21:17       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 17:38       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 17:38       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 16:47       | CH      | EET MID |

Client Sample ID: CS-17 (0.5')

Lab Sample ID: 880-58044-17

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 21:38       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 21:38       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 17:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 17:55       | TKC     | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-17 (0.5')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-17

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 16:52       | CH      | EET MID |

## Client Sample ID: CS-18 (0.5')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-18

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 21:58       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 21:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 18:11       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 18:11       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 16:57       | CH      | EET MID |

## Client Sample ID: CS-19 (0.5')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-19

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 22:19       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 22:19       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 18:27       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 18:27       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 17:02       | CH      | EET MID |

## Client Sample ID: CS-20 (0.5')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-20

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 110033       | 05/13/25 11:27       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110050       | 05/13/25 22:40       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 22:40       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 18:43       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 18:43       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 110038       | 05/13/25 11:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110062       | 05/13/25 17:08       | CH      | EET MID |

Eurofins Midland



## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-21 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-21

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         | 110032       | 05/13/25 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110049       | 05/13/25 19:58       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 19:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 19:15       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 19:15       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 110041       | 05/13/25 11:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110065       | 05/13/25 21:41       | CH      | EET MID |

## Client Sample ID: CS-22 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-22

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         | 110032       | 05/13/25 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110049       | 05/13/25 20:19       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 20:19       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 19:31       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 19:31       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 110041       | 05/13/25 11:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110065       | 05/13/25 22:02       | CH      | EET MID |

## Client Sample ID: CS-23 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-23

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         | 110032       | 05/13/25 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110049       | 05/13/25 20:39       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 20:39       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 19:47       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 19:47       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 110041       | 05/13/25 11:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110065       | 05/13/25 22:09       | CH      | EET MID |

## Client Sample ID: CS-24 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-24

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         | 110032       | 05/13/25 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110049       | 05/13/25 20:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 20:59       | SM      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-24 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-24

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          |                |              | 110126       | 05/13/25 20:03       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 20:03       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 110041       | 05/13/25 11:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110065       | 05/13/25 22:30       | CH      | EET MID |

## Client Sample ID: CS-25 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-25

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         | 110032       | 05/13/25 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110049       | 05/13/25 21:20       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 21:20       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 20:21       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 20:21       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 110041       | 05/13/25 11:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110065       | 05/13/25 22:37       | CH      | EET MID |

## Client Sample ID: CS-26 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-26

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 110032       | 05/13/25 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110049       | 05/13/25 21:40       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 21:40       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 20:37       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.96 g         | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 20:37       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 110041       | 05/13/25 11:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110065       | 05/13/25 22:44       | CH      | EET MID |

## Client Sample ID: CS-27 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-27

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         | 110032       | 05/13/25 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110049       | 05/13/25 22:01       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 22:01       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 20:53       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.95 g         | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 20:53       | TKC     | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-27 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-27

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 110041       | 05/13/25 11:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110065       | 05/13/25 22:51       | CH      | EET MID |

## Client Sample ID: CS-28 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-28

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         | 110032       | 05/13/25 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110049       | 05/13/25 22:21       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 22:21       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 21:09       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 21:09       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 110041       | 05/13/25 11:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110065       | 05/13/25 22:59       | CH      | EET MID |

## Client Sample ID: CS-29 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-29

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         | 110032       | 05/13/25 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110049       | 05/13/25 22:42       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 22:42       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 21:26       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 21:26       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 110041       | 05/13/25 11:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110065       | 05/13/25 23:06       | CH      | EET MID |

## Client Sample ID: CS-30 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-30

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         |     |            | 4.98 g         | 5 mL         | 110032       | 05/13/25 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110049       | 05/13/25 23:02       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/13/25 23:02       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 21:42       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.08 g        | 10 mL        | 110040       | 05/13/25 11:43       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 21:42       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 110041       | 05/13/25 11:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110065       | 05/13/25 23:13       | CH      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-31 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-31

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 110058       | 05/14/25 08:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110092       | 05/14/25 11:49       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 11:49       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 23:52       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/13/25 23:52       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 17:49       | CH      | EET MID |

## Client Sample ID: CS-32 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-32

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.21 g         | 5 mL         | 110058       | 05/14/25 08:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110092       | 05/14/25 12:09       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 12:09       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 00:41       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 00:41       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 18:05       | CH      | EET MID |

## Client Sample ID: CS-33 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-33

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         | 110058       | 05/14/25 08:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110092       | 05/14/25 12:30       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 12:30       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 00:57       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 00:57       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 18:10       | CH      | EET MID |

## Client Sample ID: CS-34 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-34

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         |     |            | 5.72 g         | 5 mL         | 110058       | 05/14/25 08:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110092       | 05/14/25 12:50       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 12:50       | SM      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-34 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-34

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          |                |              | 110126       | 05/14/25 01:14       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 01:14       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 18:15       | CH      | EET MID |

## Client Sample ID: CS-35 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-35

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         | 110058       | 05/14/25 08:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110092       | 05/14/25 13:11       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 13:11       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 01:30       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 01:30       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 18:20       | CH      | EET MID |

## Client Sample ID: CS-36 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-36

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         | 110099       | 05/14/25 08:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110090       | 05/14/25 12:53       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 12:53       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 01:47       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 01:47       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 18:36       | CH      | EET MID |

## Client Sample ID: CS-37 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-37

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         | 110099       | 05/14/25 08:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110090       | 05/14/25 13:13       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 13:13       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 02:03       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 02:03       | TKC     | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-37 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-37

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     |     |            | 5.04 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 18:41       | CH      | EET MID |

## Client Sample ID: CS-38 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-38

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         | 110099       | 05/14/25 08:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110090       | 05/14/25 13:34       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 13:34       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 02:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 02:20       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 18:46       | CH      | EET MID |

## Client Sample ID: CS-39 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-39

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         | 110097       | 05/14/25 08:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110089       | 05/14/25 11:31       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 11:31       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 02:36       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 02:36       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 18:52       | CH      | EET MID |

## Client Sample ID: CS-40 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-40

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         |     |            | 5.21 g         | 5 mL         | 110097       | 05/14/25 08:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110089       | 05/14/25 11:52       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 11:52       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 02:53       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 02:53       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 18:57       | CH      | EET MID |

Eurofins Midland



## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-41 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-41

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         | 110097       | 05/14/25 08:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110089       | 05/14/25 12:13       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 12:13       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 03:26       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 03:26       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 19:02       | CH      | EET MID |

## Client Sample ID: CS-42 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-42

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         |     |            | 5.72 g         | 5 mL         | 110097       | 05/14/25 08:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110089       | 05/14/25 12:33       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 12:33       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 03:42       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.95 g         | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 03:42       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 19:17       | CH      | EET MID |

## Client Sample ID: CS-43 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-43

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         | 110097       | 05/14/25 08:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110089       | 05/14/25 12:54       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 12:54       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 03:59       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 03:59       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 19:23       | CH      | EET MID |

## Client Sample ID: CS-44 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-44

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 mL         | 110097       | 05/14/25 08:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110089       | 05/14/25 13:14       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 13:14       | SM      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-44 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-44

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          |                |              | 110126       | 05/14/25 04:15       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 04:15       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 19:38       | CH      | EET MID |

## Client Sample ID: CS-45 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-45

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         | 110098       | 05/14/25 08:48       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110091       | 05/14/25 11:39       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 11:39       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 04:32       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 04:32       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 19:43       | CH      | EET MID |

## Client Sample ID: CS-46 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-46

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         |     |            | 5.21 g         | 5 mL         | 110098       | 05/14/25 08:48       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110091       | 05/14/25 11:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 11:59       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 04:47       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.97 g         | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 04:47       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 19:49       | CH      | EET MID |

## Client Sample ID: CS-47 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-47

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         | 110098       | 05/14/25 08:48       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110091       | 05/14/25 12:20       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 12:20       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 05:04       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 05:04       | TKC     | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-47 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-47

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 19:54       | CH      | EET MID |

## Client Sample ID: CS-48 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-48

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         |     |            | 5.72 g         | 5 mL         | 110098       | 05/14/25 08:48       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110091       | 05/14/25 12:40       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 12:40       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 05:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 05:20       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 19:59       | CH      | EET MID |

## Client Sample ID: CS-49 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-49

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         | 110098       | 05/14/25 08:48       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110091       | 05/14/25 13:01       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 13:01       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 05:36       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 05:36       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 20:04       | CH      | EET MID |

## Client Sample ID: CS-50 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-50

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 mL         | 110098       | 05/14/25 08:48       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110091       | 05/14/25 13:21       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 13:21       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 05:52       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 110043       | 05/13/25 11:46       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110071       | 05/14/25 05:52       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 110042       | 05/13/25 11:45       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110064       | 05/13/25 20:09       | CH      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-51 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-51

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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 02:19       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 02:19       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 19:11       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 19:11       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 17:28       | CH      | EET MID |

## Client Sample ID: CS-52 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-52

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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 02:39       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 02:39       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 19:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 19:56       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 17:48       | CH      | EET MID |

## Client Sample ID: CS-53 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-53

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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 03:00       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 03:00       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 20:10       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 20:10       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 17:55       | CH      | EET MID |

## Client Sample ID: CS-54 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-54

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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 03:20       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 03:20       | SM      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-54 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-54

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          |                |              | 110126       | 05/13/25 20:25       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 20:25       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 18:02       | CH      | EET MID |

## Client Sample ID: CS-55 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-55

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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 03:41       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 03:41       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 20:40       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.08 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 20:40       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 18:09       | CH      | EET MID |

## Client Sample ID: CS-56 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-56

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 mL         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 04:01       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 04:01       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 20:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 20:55       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 18:29       | CH      | EET MID |

## Client Sample ID: CS-57 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-57

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         |     |            | 4.98 g         | 5 mL         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 04:22       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 04:22       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 21:10       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 21:10       | TKC     | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-57 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-57

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     |     |            | 5.00 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 18:36       | CH      | EET MID |

## Client Sample ID: CS-58 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-58

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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 04:42       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 04:42       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 21:26       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 21:26       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 18:42       | CH      | EET MID |

## Client Sample ID: CS-59 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-59

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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 05:03       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 05:03       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 21:41       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 21:41       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 18:49       | CH      | EET MID |

## Client Sample ID: CS-60 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-60

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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 05:23       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 05:23       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 21:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 21:56       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 18:56       | CH      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: CS-61 (3")

## Lab Sample ID: 880-58044-61

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 06:58       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 06:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 22:27       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 22:27       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 19:03       | CH      | EET MID |

## Client Sample ID: SW-1 (0.5')

## Lab Sample ID: 880-58044-62

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 07:19       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 07:19       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 22:42       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 22:42       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 19:23       | CH      | EET MID |

## Client Sample ID: SW-2 (0.5')

## Lab Sample ID: 880-58044-63

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 07:39       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 07:39       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 22:59       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 22:59       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 19:30       | CH      | EET MID |

## Client Sample ID: SW-3 (0.5')

## Lab Sample ID: 880-58044-64

Date Collected: 05/09/25 00:00

Matrix: Solid

Date Received: 05/13/25 10:25

| 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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 08:00       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 08:00       | SM      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: SW-3 (0.5')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-64

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          |                |              | 110126       | 05/13/25 23:14       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 23:14       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 19:50       | CH      | EET MID |

## Client Sample ID: SW-4 (2.5')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-65

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 08:20       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 08:20       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 23:29       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 23:29       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 19:57       | CH      | EET MID |

## Client Sample ID: SW-5 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-66

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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 08:41       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 08:41       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/13/25 23:46       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/13/25 23:46       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 20:04       | CH      | EET MID |

## Client Sample ID: SW-6 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-67

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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 09:01       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 09:01       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 00:00       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/14/25 00:00       | TKC     | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

## Client Sample ID: SW-6 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-67

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     |     |            | 5.03 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 20:11       | CH      | EET MID |

## Client Sample ID: SW-7 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-68

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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 09:22       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 09:22       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 00:15       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.97 g         | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/14/25 00:15       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.0 g          | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 20:18       | CH      | EET MID |

## Client Sample ID: SW-8 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-69

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         |     |            | 4.98 g         | 5 mL         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 09:43       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 09:43       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 00:31       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/14/25 00:31       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 20:24       | CH      | EET MID |

## Client Sample ID: SW-9 (3')

Date Collected: 05/09/25 00:00

Date Received: 05/13/25 10:25

## Lab Sample ID: 880-58044-70

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         | 110039       | 05/13/25 11:42       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 110048       | 05/14/25 10:03       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 110141       | 05/14/25 10:03       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 110126       | 05/14/25 00:46       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 110044       | 05/13/25 11:47       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 110022       | 05/14/25 00:46       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 110045       | 05/13/25 11:48       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 110060       | 05/13/25 20:31       | CH      | EET MID |

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

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

- 1
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Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea 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            | 06-30-25        |
| 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      |

Method Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea 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: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-58044-1   | CS-1 (0.5')      | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-2   | CS-2 (0.5')      | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-3   | CS-3 (0.5')      | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-4   | CS-4 (0.5')      | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-5   | CS-5 (0.5')      | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-6   | CS-6 (0.5')      | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-7   | CS-7 (0.5')      | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-8   | CS-8 (0.5')      | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-9   | CS-9 (0.5')      | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-10  | CS-10 (0.5')     | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-11  | CS-11 (0.5')     | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-12  | CS-12 (0.5')     | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-13  | CS-13 (0.5')     | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-14  | CS-14 (0.5')     | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-15  | CS-15 (0.5')     | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-16  | CS-16 (0.5')     | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-17  | CS-17 (0.5')     | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-18  | CS-18 (0.5')     | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-19  | CS-19 (0.5')     | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-20  | CS-20 (0.5')     | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-21  | CS-21 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-22  | CS-22 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-23  | CS-23 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-24  | CS-24 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-25  | CS-25 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-26  | CS-26 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-27  | CS-27 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-28  | CS-28 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-29  | CS-29 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-30  | CS-30 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-31  | CS-31 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-32  | CS-32 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-33  | CS-33 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-34  | CS-34 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-35  | CS-35 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-36  | CS-36 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-37  | CS-37 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-38  | CS-38 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-39  | CS-39 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-40  | CS-40 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-41  | CS-41 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-42  | CS-42 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-43  | CS-43 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-44  | CS-44 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-45  | CS-45 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-46  | CS-46 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-47  | CS-47 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-48  | CS-48 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-49  | CS-49 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-50  | CS-50 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-51  | CS-51 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-52  | CS-52 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-53  | CS-53 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-54  | CS-54 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |

Sample Summary

Client: Carmona Resources  
Project/Site: Slick Mesa 27 State #001H

Job ID: 880-58044-1  
SDG: Lea County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-58044-55  | CS-55 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-56  | CS-56 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-57  | CS-57 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-58  | CS-58 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-59  | CS-59 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-60  | CS-60 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-61  | CS-61 (3')       | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-62  | SW-1 (0.5')      | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-63  | SW-2 (0.5')      | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-64  | SW-3 (0.5')      | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-65  | SW-4 (2.5')      | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-66  | SW-5 (3')        | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-67  | SW-6 (3')        | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-68  | SW-7 (3')        | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-69  | SW-8 (3')        | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |
| 880-58044-70  | SW-9 (3')        | Solid  | 05/09/25 00:00 | 05/13/25 10:25 |

## Chain of Custody



880-58044 Chain of Custody

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|                                    |  |                                       |  |                   |  |
|------------------------------------|--|---------------------------------------|--|-------------------|--|
| Project Manager: Conner Moehring   |  | Bill to: (if different)               |  | Carmona Resources |  |
| Company Name: Carmona Resources    |  | Company Name:                         |  |                   |  |
| Address: 310 W Wall St Ste 500     |  | Address:                              |  |                   |  |
| City, State ZIP: Midland, TX 79701 |  | City, State ZIP:                      |  |                   |  |
| Phone: (432) 813-6823              |  | Email: cmoehring@carmonaresources.com |  |                   |  |

|                                          |  |                                                                              |  |            |  |
|------------------------------------------|--|------------------------------------------------------------------------------|--|------------|--|
| Project Name: Slick Mesa 27 State #001H  |  | Turn Around                                                                  |  | Pres. Code |  |
| Project Number: 2709                     |  | <input type="checkbox"/> Routine<br><input checked="" type="checkbox"/> Rush |  |            |  |
| Project Location: Lea County, New Mexico |  | Due Date: 24 HR TAT                                                          |  |            |  |
| Sampler's Name: JR/JM                    |  |                                                                              |  |            |  |
| PO #:                                    |  |                                                                              |  |            |  |

|                                                                                                                                       |  |                                                                                                               |  |                                                                                                            |  |
|---------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------|--|
| <b>SAMPLE RECEIPT</b><br>Received Intact: Yes No<br>Cooler Custody Seals: Yes No<br>Sample Custody Seals: Yes No<br>Total Containers: |  | Temp Blank: Yes No<br>Thermometer ID:<br>Correction Factor:<br>Temperature Reading:<br>Corrected Temperature: |  | Wet Ice: Yes No<br>Thermometer ID:<br>Correction Factor:<br>Temperature Reading:<br>Corrected Temperature: |  |
|---------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------|--|

| Sample Identification | Date     | Time | Soil | Water | Grab/Comp | # of Cont | Parameters      |  | ANALYSIS REQUEST            |  | Preservative Codes                                                                                                                                                                                                                                                                |  |
|-----------------------|----------|------|------|-------|-----------|-----------|-----------------|--|-----------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| CS-1 (0.5')           | 5/9/2025 |      | X    |       | Comp      | 1         | BTEX 8021B      |  | TPH 8015M (GRO + DRO + MRO) |  | None: NO<br>Cool: Cool<br>HCL: HC<br>H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub><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: SAPC |  |
| CS-2 (0.5')           | 5/9/2025 |      | X    |       | Comp      | 1         | Chlorides 300.0 |  |                             |  |                                                                                                                                                                                                                                                                                   |  |
| CS-3 (0.5')           | 5/9/2025 |      | X    |       | Comp      | 1         |                 |  |                             |  |                                                                                                                                                                                                                                                                                   |  |
| CS-4 (0.5')           | 5/9/2025 |      | X    |       | Comp      | 1         |                 |  |                             |  |                                                                                                                                                                                                                                                                                   |  |
| CS-5 (0.5')           | 5/9/2025 |      | X    |       | Comp      | 1         |                 |  |                             |  |                                                                                                                                                                                                                                                                                   |  |
| CS-6 (0.5')           | 5/9/2025 |      | X    |       | Comp      | 1         |                 |  |                             |  |                                                                                                                                                                                                                                                                                   |  |
| CS-7 (0.5')           | 5/9/2025 |      | X    |       | Comp      | 1         |                 |  |                             |  |                                                                                                                                                                                                                                                                                   |  |
| CS-8 (0.5')           | 5/9/2025 |      | X    |       | Comp      | 1         |                 |  |                             |  |                                                                                                                                                                                                                                                                                   |  |
| CS-9 (0.5')           | 5/9/2025 |      | X    |       | Comp      | 1         |                 |  |                             |  |                                                                                                                                                                                                                                                                                   |  |
| CS-10 (0.5')          | 5/9/2025 |      | X    |       | Comp      | 1         |                 |  |                             |  |                                                                                                                                                                                                                                                                                   |  |

Comments:

|                              |                 |                          |               |
|------------------------------|-----------------|--------------------------|---------------|
| Relinquished by: (Signature) | Date/Time       | Received by: (Signature) | Date/Time     |
| <i>Carmona Resources</i>     | 5/13/25 @ 10:26 | <i>[Signature]</i>       | 5/13/25 10:25 |

## Chain of Custody

Work Order No: \_\_\_\_\_

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|                                    |  |                                                                                           |  |                   |  |
|------------------------------------|--|-------------------------------------------------------------------------------------------|--|-------------------|--|
| Project Manager: Conner Moehring   |  | Bill to: (if different)                                                                   |  | Carmona Resources |  |
| Company Name: Carmona Resources    |  | Company Name:                                                                             |  |                   |  |
| Address: 310 W Wall St Ste 500     |  | Address:                                                                                  |  |                   |  |
| City, State ZIP: Midland, TX 79701 |  | City, State ZIP:                                                                          |  |                   |  |
| Phone: (432) 813-6823              |  | Email: <a href="mailto:cmoehring@carmonaresources.com">cmoehring@carmonaresources.com</a> |  |                   |  |

|                                          |  |                                                                              |  |            |  |
|------------------------------------------|--|------------------------------------------------------------------------------|--|------------|--|
| Project Name: Slick Mesa 27 State #001H  |  | Turn Around                                                                  |  | Pres. Code |  |
| Project Number: 2709                     |  | <input type="checkbox"/> Routine<br><input checked="" type="checkbox"/> Rush |  |            |  |
| Project Location: Lea County, New Mexico |  | Due Date: 24 HR TAT                                                          |  |            |  |
| Sampler's Name: JR/JM                    |  |                                                                              |  |            |  |
| PO #:                                    |  |                                                                              |  |            |  |

|                       |  |            |  |                        |  |        |  |
|-----------------------|--|------------|--|------------------------|--|--------|--|
| Temp Blank:           |  | Yes No     |  | Wet Ice:               |  | Yes No |  |
| Received Intact:      |  | Yes No     |  | Thermometer ID:        |  |        |  |
| Cooler Custody Seals: |  | Yes No N/A |  | Correction Factor:     |  |        |  |
| Sample Custody Seals: |  | Yes No N/A |  | Temperature Reading:   |  |        |  |
| Total Containers:     |  |            |  | Corrected Temperature: |  |        |  |

| Sample Identification | Date     | Time | Soil | Water | Grab/Comp | # of Cont | Parameters                                                   | Pres. Code | ANALYSIS REQUEST |  |  |                          | Preservative Codes |                                                                   |                       |  |
|-----------------------|----------|------|------|-------|-----------|-----------|--------------------------------------------------------------|------------|------------------|--|--|--------------------------|--------------------|-------------------------------------------------------------------|-----------------------|--|
| CS-11 (0.5')          | 5/9/2025 |      | X    |       | Comp      | 1         | BTEX 8021B<br>TPH 8015M (GRO + DRO + MRO)<br>Chlorides 300.0 |            |                  |  |  |                          | None: NO           | DI Water: H <sub>2</sub> O                                        |                       |  |
| CS-12 (0.5')          | 5/9/2025 |      | X    |       | Comp      | 1         |                                                              |            |                  |  |  |                          |                    | Cool: Cool                                                        | MeOH: Me              |  |
| CS-13 (0.5')          | 5/9/2025 |      | X    |       | Comp      | 1         |                                                              |            |                  |  |  |                          |                    | HCL: HC                                                           | HNO <sub>3</sub> : HN |  |
| CS-14 (0.5')          | 5/9/2025 |      | X    |       | Comp      | 1         |                                                              |            |                  |  |  |                          |                    | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na              |  |
| CS-15 (0.5')          | 5/9/2025 |      | X    |       | Comp      | 1         |                                                              |            |                  |  |  |                          |                    | H <sub>3</sub> PO <sub>4</sub> : HP                               |                       |  |
| CS-16 (0.5')          | 5/9/2025 |      | X    |       | Comp      | 1         |                                                              |            |                  |  |  |                          |                    | NaHSO <sub>4</sub> : NABIS                                        |                       |  |
| CS-17 (0.5')          | 5/9/2025 |      | X    |       | Comp      | 1         |                                                              |            |                  |  |  |                          |                    | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                       |  |
| CS-18 (0.5')          | 5/9/2025 |      | X    |       | Comp      | 1         |                                                              |            |                  |  |  |                          |                    | Zn Acetate+NaOH: Zn                                               |                       |  |
| CS-19 (0.5')          | 5/9/2025 |      | X    |       | Comp      | 1         |                                                              |            |                  |  |  | NaOH+Ascorbic Acid: SAPC |                    |                                                                   |                       |  |
| CS-20 (0.5')          | 5/9/2025 |      | X    |       | Comp      | 1         |                                                              |            |                  |  |  |                          |                    |                                                                   |                       |  |

|           |                              |                 |                          |               |
|-----------|------------------------------|-----------------|--------------------------|---------------|
| Comments: | Relinquished by: (Signature) | Date/Time       | Received by: (Signature) | Date/Time     |
|           | <i>Conner Moehring</i>       | 5/13/2025 10:25 | <i>[Signature]</i>       | 5/13/25 10:25 |
|           |                              |                 |                          |               |



## Chain of Custody

Work Order No: \_\_\_\_\_

Page 3 of 7

|                                    |  |                                       |  |                   |  |
|------------------------------------|--|---------------------------------------|--|-------------------|--|
| Project Manager: Conner Moehring   |  | Bill to: (if different)               |  | Carmona Resources |  |
| Company Name: Carmona Resources    |  | Company Name:                         |  |                   |  |
| Address: 310 W Wall St Ste 500     |  | Address:                              |  |                   |  |
| City, State ZIP: Midland, TX 79701 |  | City, State ZIP:                      |  |                   |  |
| Phone: (432) 813-6823              |  | Email: cmoehring@carmonaresources.com |  |                   |  |

|                                          |  |                                                                              |  |                     |  |                  |  |  |  |
|------------------------------------------|--|------------------------------------------------------------------------------|--|---------------------|--|------------------|--|--|--|
| Project Name: Slick Mesa 27 State #001H  |  |                                                                              |  |                     |  |                  |  |  |  |
| Project Number: 2709                     |  | Turn Around                                                                  |  | Pres. Code          |  | ANALYSIS REQUEST |  |  |  |
| Project Location: Lea County, New Mexico |  | <input type="checkbox"/> Routine<br><input checked="" type="checkbox"/> Rush |  | Due Date: 24 HR TAT |  |                  |  |  |  |
| Sampler's Name: JR/JM                    |  | Temp Blank:                                                                  |  | Yes No              |  |                  |  |  |  |
| PO #:                                    |  | Thermometer ID:                                                              |  | Yes No              |  |                  |  |  |  |
| Received Intact:                         |  | Cooler Custody Seals:                                                        |  | Yes No N/A          |  |                  |  |  |  |
| Sample Custody Seals:                    |  | Temperature Reading:                                                         |  | Yes No N/A          |  |                  |  |  |  |
| Total Containers:                        |  | Corrected Temperature:                                                       |  |                     |  |                  |  |  |  |

| Sample Identification | Date     | Time | Soil | Water | Grab/Comp | # of Cont | Parameters                  | Pres. Code | ANALYSIS REQUEST | Preservative Codes                                                                                                                                                                                                                                                                    |
|-----------------------|----------|------|------|-------|-----------|-----------|-----------------------------|------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CS-21 (3')            | 5/9/2025 |      | X    |       | Comp 1    | 1         | BTX 8021B                   |            |                  | None: NO<br>Cool: MeOH: Me<br>HCL: HC<br>H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub><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: SAPC |
| CS-22 (3')            | 5/9/2025 |      | X    |       | Comp 1    | 1         | TPH 8015M (GRO + DRO + MRO) |            |                  |                                                                                                                                                                                                                                                                                       |
| CS-23 (3')            | 5/9/2025 |      | X    |       | Comp 1    | 1         | Chlorides 300.0             |            |                  |                                                                                                                                                                                                                                                                                       |
| CS-24 (3')            | 5/9/2025 |      | X    |       | Comp 1    | 1         |                             |            |                  |                                                                                                                                                                                                                                                                                       |
| CS-25 (3')            | 5/9/2025 |      | X    |       | Comp 1    | 1         |                             |            |                  |                                                                                                                                                                                                                                                                                       |
| CS-26 (3')            | 5/9/2025 |      | X    |       | Comp 1    | 1         |                             |            |                  |                                                                                                                                                                                                                                                                                       |
| CS-27 (3')            | 5/9/2025 |      | X    |       | Comp 1    | 1         |                             |            |                  |                                                                                                                                                                                                                                                                                       |
| CS-28 (3')            | 5/9/2025 |      | X    |       | Comp 1    | 1         |                             |            |                  |                                                                                                                                                                                                                                                                                       |
| CS-29 (3')            | 5/9/2025 |      | X    |       | Comp 1    | 1         |                             |            |                  |                                                                                                                                                                                                                                                                                       |
| CS-30 (3')            | 5/9/2025 |      | X    |       | Comp 1    | 1         |                             |            |                  |                                                                                                                                                                                                                                                                                       |

**Comments:**

|                              |  |                 |  |                          |  |               |  |
|------------------------------|--|-----------------|--|--------------------------|--|---------------|--|
| Relinquished by: (Signature) |  | Date/Time       |  | Received by: (Signature) |  | Date/Time     |  |
| <i>Anna Ramirez</i>          |  | 5/12/25 @ 10:25 |  | <i>[Signature]</i>       |  | 5/13/25 10:25 |  |
|                              |  |                 |  |                          |  |               |  |
|                              |  |                 |  |                          |  |               |  |

## Chain of Custody

Work Order No: \_\_\_\_\_

Page 4 of 7

|                                    |  |                                       |  |                   |  |
|------------------------------------|--|---------------------------------------|--|-------------------|--|
| Project Manager: Conner Moehring   |  | Bill to: (if different)               |  | Carmona Resources |  |
| Company Name: Carmona Resources    |  | Company Name:                         |  |                   |  |
| Address: 310 W Wall St Ste 500     |  | Address:                              |  |                   |  |
| City, State ZIP: Midland, TX 79701 |  | City, State ZIP:                      |  |                   |  |
| Phone: (432) 813-6823              |  | Email: cmoehring@carmonaresources.com |  |                   |  |

|                                          |  |                                                                           |  |            |  |
|------------------------------------------|--|---------------------------------------------------------------------------|--|------------|--|
| Project Name: Slick Mesa 27 State #001H  |  | Turn Around                                                               |  | Pres. Code |  |
| Project Number: 2709                     |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |            |  |
| Project Location: Lea County, New Mexico |  | Due Date: 24 HR TAT                                                       |  |            |  |
| Sampler's Name: JR/JM                    |  |                                                                           |  |            |  |
| PO #:                                    |  |                                                                           |  |            |  |

| ANALYSIS REQUEST      |          |      |      |       |           |           |             |                 |                    | Preservative Codes                                                |
|-----------------------|----------|------|------|-------|-----------|-----------|-------------|-----------------|--------------------|-------------------------------------------------------------------|
| Sample Identification | Date     | Time | Soil | Water | Grab/Comp | # of Cont | Parameters  |                 |                    | Sample Comments                                                   |
|                       |          |      |      |       |           |           | Temp Blank: | Thermometer ID: | Correction Factor: |                                                                   |
| CS-31 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |             |                 |                    | None: NO                                                          |
| CS-32 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |             |                 |                    | Cool: Cool                                                        |
| CS-33 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |             |                 |                    | HCL: HC                                                           |
| CS-34 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |             |                 |                    | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |
| CS-35 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |             |                 |                    | H <sub>3</sub> PO <sub>4</sub> : HP                               |
| CS-36 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |             |                 |                    | NaHSO <sub>4</sub> : NABIS                                        |
| CS-37 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |             |                 |                    | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |
| CS-38 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |             |                 |                    | Zn Acetate+NaOH: Zn                                               |
| CS-39 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |             |                 |                    | NaOH+Ascorbic Acid: SAPC                                          |
| CS-40 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |             |                 |                    |                                                                   |

Comments:

|                              |                 |                          |               |
|------------------------------|-----------------|--------------------------|---------------|
| Relinquished by: (Signature) | Date/Time       | Received by: (Signature) | Date/Time     |
| <i>Carmona Resources</i>     | 5/13/25 @ 10:35 | <i>[Signature]</i>       | 5/17/25 10:25 |



## Chain of Custody

Work Order No: \_\_\_\_\_

Page 5 of 7

|                                    |  |                                       |  |                   |  |
|------------------------------------|--|---------------------------------------|--|-------------------|--|
| Project Manager: Conner Moehring   |  | Bill to: (if different)               |  | Carmona Resources |  |
| Company Name: Carmona Resources    |  | Company Name:                         |  |                   |  |
| Address: 310 W Wall St Ste 500     |  | Address:                              |  |                   |  |
| City, State ZIP: Midland, TX 79701 |  | City, State ZIP:                      |  |                   |  |
| Phone: (432) 813-6823              |  | Email: cmoehring@carmonaresources.com |  |                   |  |

|                                          |  |                                                                           |  |                        |  |                  |  |                                                                   |  |
|------------------------------------------|--|---------------------------------------------------------------------------|--|------------------------|--|------------------|--|-------------------------------------------------------------------|--|
| Project Name: Slick Mesa 27 State #001H  |  | Turn Around                                                               |  | Pres. Code             |  | ANALYSIS REQUEST |  | Preservative Codes                                                |  |
| Project Number: 2709                     |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |                        |  |                  |  | None: NO DI Water: H <sub>2</sub> O                               |  |
| Project Location: Lea County, New Mexico |  | Due Date: 24 HR TAT                                                       |  |                        |  |                  |  | Cool: Cool MeOH: Me                                               |  |
| Sampler's Name: JR/JM                    |  |                                                                           |  |                        |  |                  |  | 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: SAPC                                          |  |

| Sample Identification | Date     | Time | Soil | Water | Grab/Comp | # of Cont | Parameters | Pres. Code | ANALYSIS REQUEST | Preservative Codes |
|-----------------------|----------|------|------|-------|-----------|-----------|------------|------------|------------------|--------------------|
| CS-41 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |            |            |                  |                    |
| CS-42 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |            |            |                  |                    |
| CS-43 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |            |            |                  |                    |
| CS-44 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |            |            |                  |                    |
| CS-45 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |            |            |                  |                    |
| CS-46 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |            |            |                  |                    |
| CS-47 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |            |            |                  |                    |
| CS-48 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |            |            |                  |                    |
| CS-49 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |            |            |                  |                    |
| CS-50 (3')            | 5/9/2025 |      | X    |       | Comp      | 1         |            |            |                  |                    |

|           |  |
|-----------|--|
| Comments: |  |
|           |  |

|                              |                   |                          |                 |
|------------------------------|-------------------|--------------------------|-----------------|
| Relinquished by: (Signature) | Date/Time         | Received by: (Signature) | Date/Time       |
| <i>Conner Moehring</i>       | 5/13/2025 @ 10:15 | <i>[Signature]</i>       | 5/13/2025 10:25 |

**Work Order No:**

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**Comments:**

## Chain of Custody

Work Order No: \_\_\_\_\_

Page 7 of 7

|                                    |  |                                       |  |                   |  |
|------------------------------------|--|---------------------------------------|--|-------------------|--|
| Project Manager: Conner Moehring   |  | Bill to: (if different)               |  | Carmona Resources |  |
| Company Name: Carmona Resources    |  | Company Name:                         |  |                   |  |
| Address: 310 W Wall St Ste 500     |  | Address:                              |  |                   |  |
| City, State ZIP: Midland, TX 79701 |  | City, State ZIP:                      |  |                   |  |
| Phone: (432) 813-6823              |  | Email: cmoehring@carmonaresources.com |  |                   |  |

|                                          |  |                                                                              |  |                  |  |                                                 |  |
|------------------------------------------|--|------------------------------------------------------------------------------|--|------------------|--|-------------------------------------------------|--|
| Project Name: Slick Mesa 27 State #001H  |  | Turn Around                                                                  |  | ANALYSIS REQUEST |  | Preservative Codes                              |  |
| Project Number: 2709                     |  | <input type="checkbox"/> Routine<br><input checked="" type="checkbox"/> Rush |  |                  |  | None: NO                                        |  |
| Project Location: Lea County, New Mexico |  | Due Date: 24 HR TAT                                                          |  |                  |  | Cool: Cool                                      |  |
| Sampler's Name: JR/JM                    |  |                                                                              |  |                  |  | HCL: HC                                         |  |
| PO #: _____                              |  |                                                                              |  |                  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> |  |

|                                                                                                                                                     |  |                                                                                                                                       |  |                                                                                                                                    |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>SAMPLE RECEIPT</b><br>Received Intact: Yes No<br>Cooler Custody Seals: Yes No N/A<br>Sample Custody Seals: Yes No N/A<br>Total Containers: _____ |  | Temp Blank: Yes No<br>Thermometer ID: _____<br>Correction Factor: _____<br>Temperature Reading: _____<br>Corrected Temperature: _____ |  | Wet Ice: Yes No<br>Thermometer ID: _____<br>Correction Factor: _____<br>Temperature Reading: _____<br>Corrected Temperature: _____ |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------|--|

| Sample Identification | Date     | Time | Soil | Water | Grab/Comp | Parameters | # of Cont | Pres. Code | BTEX 8021B | TPH 8015M (GRO + DRO + MRO) | Chlorides 300.0 | Sample Comments |
|-----------------------|----------|------|------|-------|-----------|------------|-----------|------------|------------|-----------------------------|-----------------|-----------------|
| CS-61 (3')            | 5/9/2025 |      | X    |       | Comp      | 1          |           |            | X          | X                           |                 |                 |
| SW-1 (0.5')           | 5/9/2025 |      | X    |       | Comp      | 1          |           |            | X          | X                           |                 |                 |
| SW-2 (0.5')           | 5/9/2025 |      | X    |       | Comp      | 1          |           |            | X          | X                           |                 |                 |
| SW-3 (0.5')           | 5/9/2025 |      | X    |       | Comp      | 1          |           |            | X          | X                           |                 |                 |
| SW-4 (2.5')           | 5/9/2025 |      | X    |       | Comp      | 1          |           |            | X          | X                           |                 |                 |
| SW-5 (3')             | 5/9/2025 |      | X    |       | Comp      | 1          |           |            | X          | X                           |                 |                 |
| SW-6 (3')             | 5/9/2025 |      | X    |       | Comp      | 1          |           |            | X          | X                           |                 |                 |
| SW-7 (3')             | 5/9/2025 |      | X    |       | Comp      | 1          |           |            | X          | X                           |                 |                 |
| SW-8 (3')             | 5/9/2025 |      | X    |       | Comp      | 1          |           |            | X          | X                           |                 |                 |
| SW-9 (3')             | 5/9/2025 |      | X    |       | Comp      | 1          |           |            | X          | X                           |                 |                 |

|                              |  |                 |  |                          |  |               |  |
|------------------------------|--|-----------------|--|--------------------------|--|---------------|--|
| Relinquished by: (Signature) |  | Date/Time       |  | Received by: (Signature) |  | Date/Time     |  |
| Conner Moehring              |  | 5/13/25 @ 10:25 |  | [Signature]              |  | 5/13/25 10:25 |  |

**Comments:**

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-58044-1  
SDG Number: Lea County, New Mexico

Login Number: 58044

List Number: 1

Creator: Vasquez, Julisa

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    |         |





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

January 22, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CAZA EAGLE CLAW 5-8 FEDERAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/21/25 15:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 01/21/2025                      | Sampling Date:      | 01/21/2025     |
| Reported:         | 01/22/2025                      | Sampling Type:      | Soil           |
| Project Name:     | CAZA EAGLE CLAW 5-8 FEDERAL CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2624                            | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM                       |                     |                |

**Sample ID: SIMS PIT (H250358-01)**

| 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           | 01/22/2025 | ND              | 2.08 | 104        | 2.00          | 2.83 |           |
| Toluene*       | <0.050 | 0.050           | 01/22/2025 | ND              | 2.16 | 108        | 2.00          | 2.25 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 01/22/2025 | ND              | 2.20 | 110        | 2.00          | 2.03 |           |
| Total Xylenes* | <0.150 | 0.150           | 01/22/2025 | ND              | 6.69 | 112        | 6.00          | 2.21 |           |
| Total BTX      | <0.300 | 0.300           | 01/22/2025 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 01/22/2025 | 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            | 01/22/2025 | ND              | 219 | 110        | 200           | 3.35 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/22/2025 | ND              | 221 | 110        | 200           | 5.62 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/22/2025 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





---

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---

### Notes and Definitions

|       |                                                                                                                                                                |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.                               |
| ND    | Analyte NOT DETECTED at or above the reporting limit                                                                                                           |
| RPD   | Relative Percent Difference                                                                                                                                    |
| **    | 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 |

---

Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Caley D. Keene".

---

Caley D. Keene, Lab Director/Quality Manager

## Chain of Custody

**Work Order No:**

4250358

Page 1 of 1[illegible]

## APPENDIX F

CARMONA RESOURCES



Soil Map—Lea County, New Mexico  
(Slick Mesa 27 State #001H)



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

5/20/2025  
Page 1 of 3

Soil Map—Lea County, New Mexico  
(Slick Mesa 27 State #001H)

## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

| Map Unit Symbol             | Map Unit Name                                          | Acres in AOI | Percent of AOI |
|-----------------------------|--------------------------------------------------------|--------------|----------------|
| KO                          | Kimbrough gravelly loam, dry,<br>0 to 3 percent slopes | 0.0          | 0.1%           |
| MN                          | Ratliff-Wink fine sandy loams                          | 0.5          | 99.9%          |
| Totals for Area of Interest |                                                        | 0.5          | 100.0%         |



## Lea County, New Mexico

### MN—Ratliff-Wink fine sandy loams

#### Map Unit Setting

*National map unit symbol:* dmqf

*Elevation:* 3,000 to 3,900 feet

*Mean annual precipitation:* 10 to 15 inches

*Mean annual air temperature:* 60 to 62 degrees F

*Frost-free period:* 190 to 205 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Ratliff and similar soils:* 45 percent

*Wink and similar soils:* 40 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Ratliff

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Dip

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Calcareous alluvium and/or calcareous eolian deposits derived from sedimentary rock

##### Typical profile

*A - 0 to 4 inches:* fine sandy loam

*Bw - 4 to 22 inches:* clay loam

*Bk - 22 to 60 inches:* clay loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately high to high (0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 50 percent

*Gypsum, maximum content:* 1 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 2.0

*Available water supply, 0 to 60 inches:* Moderate (about 8.1 inches)

Map Unit Description: Ratliff-Wink fine sandy loams---Lea County, New Mexico

Slick Mesa 27 State #001H

**Interpretive groups***Land capability classification (irrigated): 4e**Land capability classification (nonirrigated): 6c**Hydrologic Soil Group: B**Ecological site: R070BC007NM - Loamy**Hydric soil rating: No***Description of Wink****Setting***Landform: Plains**Landform position (three-dimensional): Dip**Down-slope shape: Convex**Across-slope shape: Convex**Parent material: Calcareous sandy alluvium and/or calcareous sandy eolian deposits derived from sedimentary rock***Typical profile***A - 0 to 12 inches: fine sandy loam**Bk - 12 to 23 inches: sandy loam**BCK - 23 to 60 inches: sandy loam***Properties and qualities***Slope: 0 to 3 percent**Depth to restrictive feature: More than 80 inches**Drainage class: Well drained**Runoff class: Very low**Capacity of the most limiting layer to transmit water (Ksat): High  
(2.00 to 6.00 in/hr)**Depth to water table: More than 80 inches**Frequency of flooding: None**Frequency of ponding: None**Calcium carbonate, maximum content: 30 percent**Gypsum, maximum content: 1 percent**Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0  
mmhos/cm)**Sodium adsorption ratio, maximum: 2.0**Available water supply, 0 to 60 inches: Low (about 4.7 inches)***Interpretive groups***Land capability classification (irrigated): None specified**Land capability classification (nonirrigated): 7e**Hydrologic Soil Group: A**Ecological site: R070BD004NM - Sandy**Hydric soil rating: No***Minor Components****Kermit***Percent of map unit: 6 percent**Ecological site: R070BC022NM - Sandhills**Hydric soil rating: No*

Map Unit Description: Ratliff-Wink fine sandy loams---Lea County, New Mexico

Slick Mesa 27 State #001H

**Maljamar**

*Percent of map unit:* 5 percent

*Ecological site:* R070BD003NM - Loamy Sand

*Hydric soil rating:* No

**Palomas**

*Percent of map unit:* 4 percent

*Ecological site:* R070BD003NM - Loamy Sand

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

**NMSLO Seed Mix****Sandy Loam (SL)****SANDY LOAM (SL) SITES SEED MIXTURE:**

| COMMON NAME           | VARIETY            | APPLICATION<br>RATE (PLS/Acre) | DRILL<br>BOX |
|-----------------------|--------------------|--------------------------------|--------------|
| <b>Grasses:</b>       |                    |                                |              |
| Galleta grass         | Viva, VNS, So.     | 2.5                            | F            |
| Little bluestem       | Cimmaron, Pastura  | 2.5                            | F            |
| Blue grama            | Hachita, Lovington | 2.0                            | D            |
| Sideoats grama        | Vaughn, El Reno    | 2.0                            | F            |
| Sand dropseed         | VNS, Southern      | 1.0                            | S            |
| <b>Forbs:</b>         |                    |                                |              |
| Indian blanketflower  | VNS, Southern      | 1.0                            | D            |
| Parry penstemon       | VNS, Southern      | 1.0                            | D            |
| Blue flax             | Appar              | 1.0                            | D            |
| Desert globemallow    | VNS, Southern      | 1.0                            | D            |
| <b>Shrubs:</b>        |                    |                                |              |
| Fourwing saltbush     | VNS, Southern      | 2.0                            | D            |
| Common winterfat      | VNS, Southern      | 1.0                            | F            |
| Apache plume          | VNS, Southern      | 0.75                           | F            |
| <b>Total PLS/acre</b> |                    | <b>17.75</b>                   |              |

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

- VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry penstemon is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow or Nelson globemallow.
- If a species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.



**IPaC****U.S. Fish & Wildlife Service**

# IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

## Location

Lea County, New Mexico



## Local office

New Mexico Ecological Services Field Office

☎ (505) 346-2525

📅 (505) 346-2542

2105 Osuna Road Ne

Albuquerque, NM 87113-1001

NOT FOR CONSULTATION



# Endangered species

**This resource list is for informational purposes only and does not constitute an analysis of project level impacts.**

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species<sup>1</sup> and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries<sup>2</sup>).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

- 
1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
  2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

## Birds

| NAME                                                                                                                                                                                                                      | STATUS               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Lesser Prairie-chicken <i>Tympanuchus pallidicinctus</i><br>No critical habitat has been designated for this species.<br><a href="https://ecos.fws.gov/ecp/species/1924">https://ecos.fws.gov/ecp/species/1924</a>        | Endangered           |
| Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i><br>No critical habitat has been designated for this species.<br><a href="https://ecos.fws.gov/ecp/species/1923">https://ecos.fws.gov/ecp/species/1923</a> | <a href="#">EXPN</a> |

## Insects

| NAME                                                                                                                                                                                                                                                                         | STATUS              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Monarch Butterfly <i>Danaus plexippus</i><br>Wherever found<br>There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat.<br><a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a> | Proposed Threatened |

## Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

## Bald & Golden Eagles

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act [2](#) and the Migratory Bird Treaty Act (MBTA) [1](#). Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their nests, should follow appropriate regulations and implement required avoidance and minimization measures, as described in the various links on this page.

The [data](#) in this location indicates that no eagles have been observed in this area. This does not mean eagles are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the [Supplemental Information on Migratory Birds and Eagles document](#) to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine if eagles may be present (e.g. your local FWS field office, state surveys, your own surveys).

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds  
<https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds  
<https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC  
<https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

Bald and Golden Eagle information is not available at this time

## Bald & Golden Eagles FAQs

### What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are an eagle ([Bald and Golden Eagle Protection Act](#) requirements may apply).

### Proper interpretation and use of your eagle report

On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort line or no data line (red horizontal) means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide you in knowing when to implement avoidance and minimization measures to eliminate or reduce potential impacts from your project activities or get the appropriate permits should presence be confirmed.

### How do I know if eagles are breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the [RAIL Tool](#) and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If an eagle on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

#### **How is the probability of presence score calculated? The calculation is done in three steps:**

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

#### **Breeding Season ()**

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

#### **Survey Effort ()**

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

#### **No Data ()**

A week is marked as having no data if there were no survey events for that week.

#### **Survey Timeframe**

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

## Migratory birds

The Migratory Bird Treaty Act (MBTA) <sup>1</sup> prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior [authorization](#) by the Department of Interior U.S. Fish and Wildlife Service (FWS). The incidental take of migratory birds

is the injury or death of birds that results from, but is not the purpose, of an activity. The FWS interprets the MBTA to prohibit incidental take.

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds  
<https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC  
<https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

Migratory bird information is not available at this time

## Migratory Bird FAQs

**Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds.**

[Nationwide Avoidance & Minimization Measures for Birds](#) describes measures that can help avoid and minimize impacts to all birds at any location year-round. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is one of the most effective ways to minimize impacts. To see when birds are most likely to occur and breed in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

**What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?**

The Migratory Bird Resource List is comprised of [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location, such as those listed under the Endangered Species Act or the [Bald and Golden Eagle Protection Act](#) and those species marked as "Vulnerable". See the FAQ "What are the levels of concern for migratory birds?" for more information on the levels of concern covered in the IPaC migratory bird species list.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) with which your project intersects. These species have been identified as warranting special attention because they are BCC species in that area, an eagle ([Bald and Golden Eagle Protection Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, and to verify survey effort when no results present, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

### **Why are subspecies showing up on my list?**

Subspecies profiles are included on the list of species present in your project area because observations in the AKN for **the species** are being detected. If the species are present, that means that the subspecies may also be present. If a subspecies shows up on your list, you may need to rely on other resources to determine if that subspecies may be present (e.g. your local FWS field office, state surveys, your own surveys).

### **What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?**

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

### **How do I know if a bird is breeding, wintering, or migrating in my area?**

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the [RAIL Tool](#) and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### **What are the levels of concern for migratory birds?**

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Bald and Golden Eagle Protection Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially BCC species. For more information on avoidance and minimization measures you can implement to help avoid and minimize migratory bird impacts, please see the FAQ "Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".



## Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

## Proper interpretation and use of your migratory bird report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list does not represent all birds present in your project area. It is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide implementation of avoidance and minimization measures to eliminate or reduce potential impacts from your project activities, should presence be confirmed. To learn more about avoidance and minimization measures, visit the FAQ "Tell me about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

## Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

### ***How is the probability of presence score calculated? The calculation is done in three steps:***

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

## Breeding Season ()

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

**Survey Effort ()**

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

**No Data ()**

A week is marked as having no data if there were no survey events for that week.

**Survey Timeframe**

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

## Facilities

### Wildlife refuges and fish hatcheries

Refuge and fish hatchery information is not available at this time

## Wetlands in the National Wetlands Inventory (NWI)

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

This location did not intersect any wetlands mapped by NWI.

**NOTE:** This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

**Data limitations**

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

#### **Data exclusions**

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

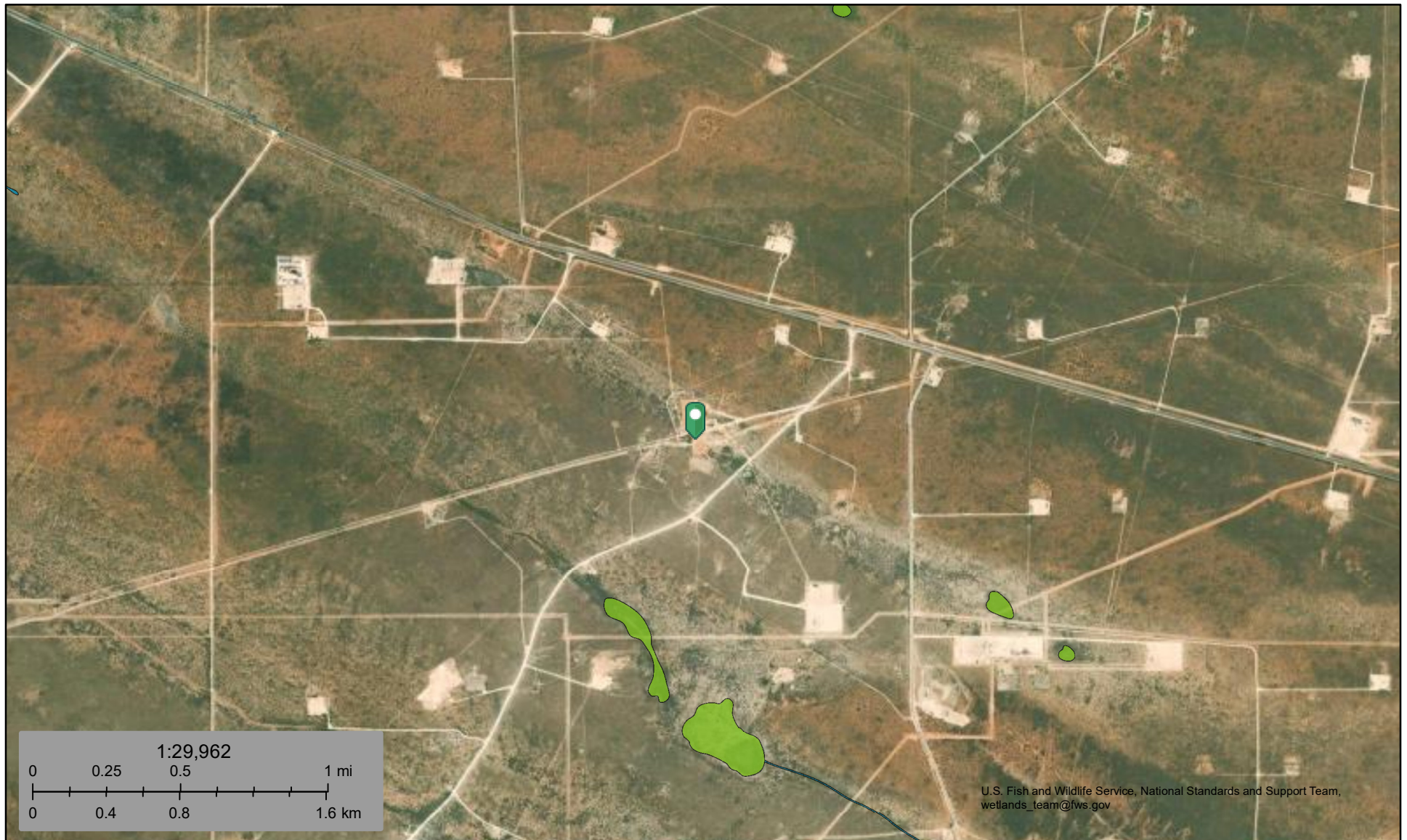
#### **Data precautions**

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.





## Slick Mesa 27 State #001H



May 7, 2025

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# Slick Mesa 27 State #001H

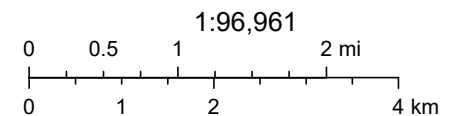


5/7/2025

CHAT\_Fullupdate2024\_revised\_20240514

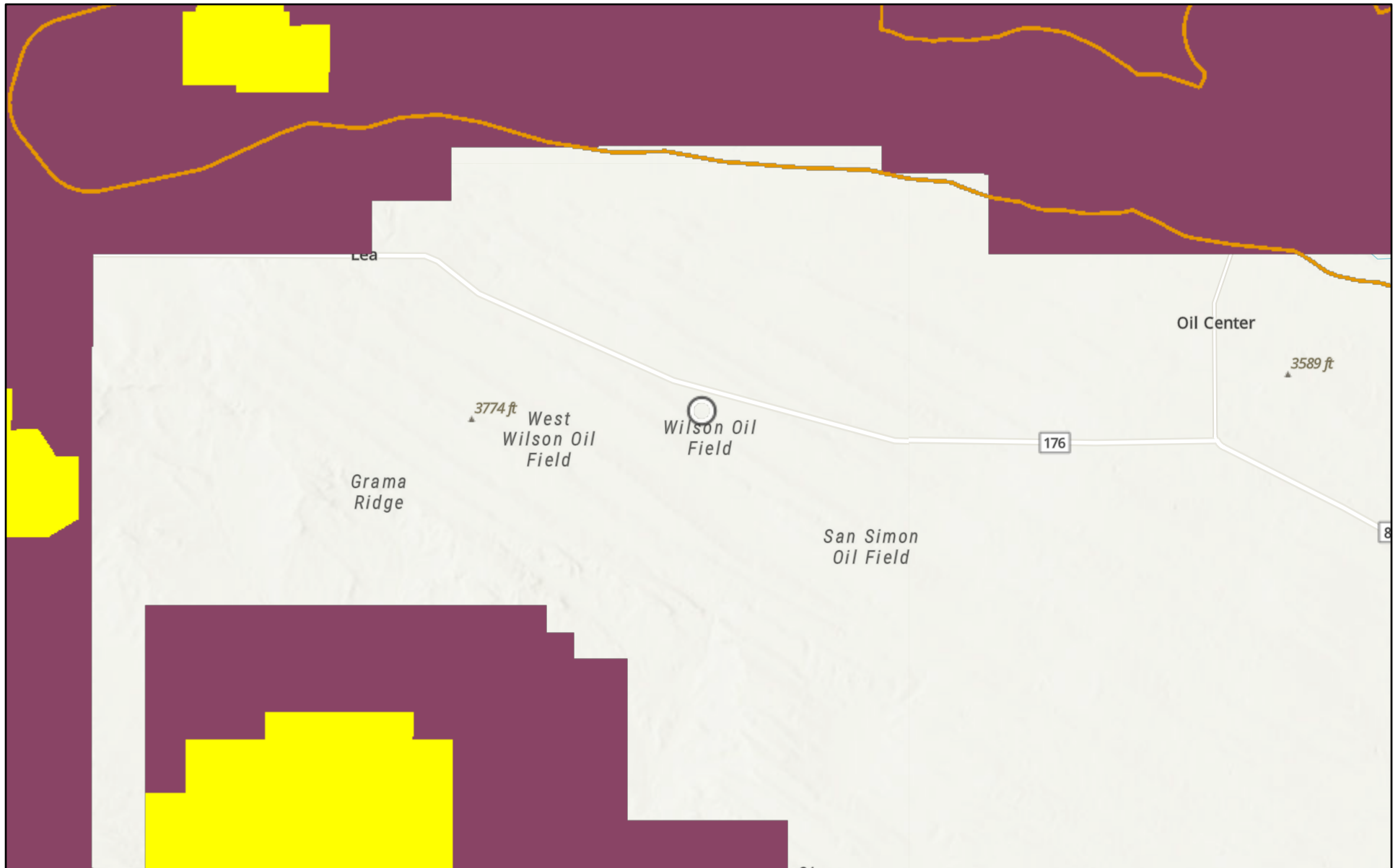


World\_Hillshade



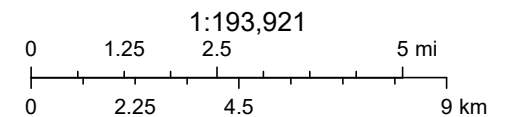
Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User

## Slick Mesa 27 State #001H



5/7/2025

-  Dunes Sage Brush Lizard Habitat
-  Isolated Population Area
-  Habitat Evaluation Area
- Lesser Prairie Chicken Habitat
- World\_Hillshade



Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community,



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

QUESTIONS

Action 488760

**QUESTIONS**

|                                                                           |                                                                        |
|---------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br>249099                                                       |
|                                                                           | Action Number:<br>488760                                               |
|                                                                           | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

|                      |                                                        |
|----------------------|--------------------------------------------------------|
| <b>Prerequisites</b> |                                                        |
| Incident ID (n#)     | nOY1815137332                                          |
| Incident Name        | NOY1815137332 SLICK MESA 27 STATE #001H @ 30-025-30587 |
| Incident Type        | Produced Water Release                                 |
| Incident Status      | Reclamation Report Received                            |
| Incident Well        | [30-025-30587] SLICK MESA 27 STATE #001H               |

**Location of Release Source**

Please answer all the questions in this group.

|                         |                           |
|-------------------------|---------------------------|
| Site Name               | Slick Mesa 27 State #001H |
| Date Release Discovered | 05/19/2018                |
| Surface Owner           | State                     |

**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: Fire   Pipeline (Any)   Produced Water   Released: 6 BBL   Recovered: 0 BBL   Lost: 6 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) | Answered to the best of our abilities due to the historic nature of the release and documents found on the NMOCD portal. |

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QUESTIONS, Page 2

Action 488760

**QUESTIONS (continued)**

|                                                                           |                                                                        |
|---------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br>249099                                                       |
|                                                                           | Action Number:<br>488760                                               |
|                                                                           | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| <b>Nature and Volume of Release (continued)</b>                                                                                                         |                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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>(2) an unauthorized release of a volume that:<br>(a) results in a fire or is the result of a fire. |
| 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: Tanya Berry<br>Title: Sr. Engineering Tech<br>Email: tberry@cazapetro.com<br>Date: 07/25/2025 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------|

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QUESTIONS, Page 3

Action 488760

**QUESTIONS (continued)**

|                                                                           |                                                                        |
|---------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br>249099                                                       |
|                                                                           | Action Number:<br>488760                                               |
|                                                                           | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

|                                                                                                                                                                                                                                                      |                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <b>Site Characterization</b>                                                                                                                                                                                                                         |                           |
| <i>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.</i> |                           |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)                                                                                                                           | Between 100 and 500 (ft.) |
| What method was used to determine the depth to ground water                                                                                                                                                                                          | U.S. Geological Survey    |
| 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 ½ and 1 (mi.)     |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)                                                                                                                                                                    | Between ½ and 1 (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 ½ and 1 (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                                                                                                                                                                                     | Low                       |
| A 100-year floodplain                                                                                                                                                                                                                                | Greater than 5 (mi.)      |
| Did the release impact areas not on an exploration, development, production, or storage site                                                                                                                                                         | No                        |

|                                                                                                                                                                                                                                                                                                                                                                                       |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Remediation Plan</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>                                                                                                                                                                                      |            |
| Requesting a remediation plan approval with this submission                                                                                                                                                                                                                                                                                                                           | Yes        |
| <i>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.</i>                                                                                                                                                                        |            |
| Have the lateral and vertical extents of contamination been fully delineated                                                                                                                                                                                                                                                                                                          | Yes        |
| Was this release entirely contained within a lined containment area                                                                                                                                                                                                                                                                                                                   | No         |
| <b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)                                                                                                                                                                                                                                                                     |            |
| Chloride (EPA 300.0 or SM4500 Cl B)                                                                                                                                                                                                                                                                                                                                                   | 132        |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)                                                                                                                                                                                                                                                                                                                                           | 0          |
| GRO+DRO (EPA SW-846 Method 8015M)                                                                                                                                                                                                                                                                                                                                                     | 0          |
| BTEX (EPA SW-846 Method 8021B or 8260B)                                                                                                                                                                                                                                                                                                                                               | 0          |
| Benzene (EPA SW-846 Method 8021B or 8260B)                                                                                                                                                                                                                                                                                                                                            | 0          |
| <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>                                                                        |            |
| On what estimated date will the remediation commence                                                                                                                                                                                                                                                                                                                                  | 05/05/2025 |
| On what date will (or did) the final sampling or liner inspection occur                                                                                                                                                                                                                                                                                                               | 05/09/2025 |
| On what date will (or was) the remediation complete(d)                                                                                                                                                                                                                                                                                                                                | 06/02/2025 |
| What is the estimated surface area (in square feet) that will be reclaimed                                                                                                                                                                                                                                                                                                            | 12091      |
| What is the estimated volume (in cubic yards) that will be reclaimed                                                                                                                                                                                                                                                                                                                  | 1120       |
| What is the estimated surface area (in square feet) that will be remediated                                                                                                                                                                                                                                                                                                           | 12091      |
| What is the estimated volume (in cubic yards) that will be remediated                                                                                                                                                                                                                                                                                                                 | 1120       |
| <i>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.</i>                                                                                                                                                                                |            |
| <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 4

Action 488760

**QUESTIONS (continued)**

|                                                                           |                                                                        |
|---------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br>249099                                                       |
|                                                                           | Action Number:<br>488760                                               |
|                                                                           | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">LEA LAND LANDFILL [fEEM0112342028]</a>                                                                                            |
| <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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No                                                                                                                                            |
| (Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | No                                                                                                                                            |
| (In Situ) Soil Vapor Extraction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No                                                                                                                                            |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No                                                                                                                                            |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No                                                                                                                                            |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No                                                                                                                                            |
| Ground Water Abatement pursuant to 19.15.30 NMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | No                                                                                                                                            |
| OTHER (Non-listed remedial process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No                                                                                                                                            |
| <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: Tanya Berry<br>Title: Sr. Engineering Tech<br>Email: <a href="mailto:tberry@cazapetro.com">tberry@cazapetro.com</a><br>Date: 07/25/2025 |
| <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 488760

QUESTIONS (continued)

|                                                                               |                                                                            |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Operator:<br><br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br><br>249099                                                       |
|                                                                               | Action Number:<br><br>488760                                               |
|                                                                               | Action Type:<br><br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

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                                                                                                 | No |

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QUESTIONS, Page 6

Action 488760

**QUESTIONS (continued)**

|                                                                           |                                                                        |
|---------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br>249099                                                       |
|                                                                           | Action Number:<br>488760                                               |
|                                                                           | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| Sampling Event Information                                                                      |            |
|-------------------------------------------------------------------------------------------------|------------|
| Last sampling notification (C-141N) recorded                                                    | 459429     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 05/09/2025 |
| What was the (estimated) number of samples that were to be gathered                             | 70         |
| What was the sampling surface area in square feet                                               | 12091      |

| Remediation Closure Request                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                               |
| Requesting a remediation closure approval with this submission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Yes                                                                                                                                           |
| Have the lateral and vertical extents of contamination been fully delineated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Yes                                                                                                                                           |
| Was this release entirely contained within a lined containment area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No                                                                                                                                            |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Yes                                                                                                                                           |
| What was the total surface area (in square feet) remediated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 12091                                                                                                                                         |
| What was the total volume (cubic yards) remediated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1120                                                                                                                                          |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Yes                                                                                                                                           |
| What was the total surface area (in square feet) reclaimed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12091                                                                                                                                         |
| What was the total volume (in cubic yards) reclaimed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1120                                                                                                                                          |
| Summarize any additional remediation activities not included by answers (above)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | n/a                                                                                                                                           |
| <p><i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                               |
| <p>I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.</p> |                                                                                                                                               |
| I hereby agree and sign off to the above statement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Name: Tanya Berry<br>Title: Sr. Engineering Tech<br>Email: <a href="mailto:tberry@cazapetro.com">tberry@cazapetro.com</a><br>Date: 07/25/2025 |



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

QUESTIONS, Page 7

Action 488760

**QUESTIONS (continued)**

|                                                                           |                                                                        |
|---------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br>249099                                                       |
|                                                                           | Action Number:<br>488760                                               |
|                                                                           | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Reclamation Report</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                     |
| <i>Only answer the questions in this group if all reclamation steps have been completed.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                     |
| Requesting a reclamation approval with this submission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                                                                                 |
| What was the total reclamation surface area (in square feet) for this site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12091                                                                                               |
| What was the total volume of replacement material (in cubic yards) for this site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1120                                                                                                |
| <i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                     |
| Is the soil top layer complete and is it suitable material to establish vegetation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Yes                                                                                                 |
| On what (estimated) date will (or was) the reseeded commence(d)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 06/02/2025                                                                                          |
| Summarize any additional reclamation activities not included by answers (above)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Area was seeded with the NMSLO - Sandy Loam Mix                                                     |
| <i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. |                                                                                                     |
| I hereby agree and sign off to the above statement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Name: Tanya Berry<br>Title: Sr. Engineering Tech<br>Email: tberry@cazapetro.com<br>Date: 07/25/2025 |

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Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

QUESTIONS, Page 8  
  
Action 488760

QUESTIONS (continued)

|                                                                               |                                                                            |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Operator:<br><br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br><br>249099                                                       |
|                                                                               | Action Number:<br><br>488760                                               |
|                                                                               | Action Type:<br><br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

|                                                                                                                                                                                                                   |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| <b>Revegetation Report</b>                                                                                                                                                                                        |    |
| <i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>                                                                         |    |
| Requesting a restoration complete approval with this submission                                                                                                                                                   | No |
| <i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i> |    |

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**Santa Fe, NM 87505**

CONDITIONS

Action 488760

**CONDITIONS**

|                                                                           |                                                                        |
|---------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br>249099                                                       |
|                                                                           | Action Number:<br>488760                                               |
|                                                                           | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**CONDITIONS**

| Created By       | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Condition Date |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| michael.buchanan | The remediation and reclamation report is approved.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7/31/2025      |
| michael.buchanan | All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. | 7/31/2025      |
| michael.buchanan | A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7/31/2025      |
| michael.buchanan | Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.                                                                                                                                                                                                                                                                                                                                                                                                                           | 7/31/2025      |