

CARMONA RESOURCES



## SITE INFORMATION

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**Closure Report**  
**Young Federal 1 Battery (07.03.2025)**  
**Incident ID: nAPP2518460990**  
**Lea County, New Mexico**  
**Unit G Sec 20 T18S R32E**  
**32.735611°, -103.785778°**

**Crude Oil Release**  
**Point of Release: Vacuum Truck Driver Overfilled Tank**  
**Release Date: 07.03.2025**  
**Volume Released: 42 Barrels of Crude Oil**  
**Volume Recovered: 40 Barrels of Crude Oil**

CARMONA RESOURCES



**Prepared for:**  
**Chevron U.S.A, Inc.**  
**6301 Deauville Blvd**  
**Midland, Texas 79706**

**Prepared by:**  
**Carmona Resources, LLC**  
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October 7, 2025

Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 1  
811 S. First Street  
Artesia, New Mexico 88210

**Re: Closure Report**  
**Young Federal 1 Battery (07.03.2025)**  
**Incident ID: nAPP2518460990**  
**Chevron U.S.A., Inc.**  
**Site Location: Unit G, S20, T18S, R32E**  
**(Lat 32.735611°, Long -103.785778°)**  
**Lea County, New Mexico**

Mr. Bratcher:

On behalf of Chevron U.S.A., Inc. (Chevron), Carmona Resources LLC has prepared this letter to document site assessment and remediation activities for the Young Federal 1 Battery release. The site is located at 32.735611°, -103.785778° within Unit G, S20, T18S, R32E, in Lea County, New Mexico (Figures 1 and 2).

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

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 3, 2025, due to a vacuum truck driver overfilling a tank. It resulted in approximately forty-two (42) barrels of crude oil to be released with approximately forty (40) barrels of crude oil recovered. The spill boundaries are shown in Figure 3. The Notification of Release and Initial C-141 form is attached in Appendix C.

### **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 no known water sources within a 0.50-mile radius of the location. The nearest groundwater determination bore is located approximately 0.01 miles Northwest of the site in S20, T18S, R32E and was drilled in 2025. The determination bore was drilled to a depth of 55' below ground surface (ft bgs). The determination bore was gauged 72 hours later and no evidence of groundwater was detected. A copy of the associated Summary report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.



## **4.0 Site Assessment Activities**

### **Initial Assessment**

On July 24, 2025, Carmona Resources personnel performed site assessment activities with the use of an air rotary rig to evaluate soil impacts stemming from the release. A total of three (3) borehole samples (BH-1 through BH-3) and four (4) horizontal samples (H-1 through H-4) were installed to total depths ranging from surface to 20.0 ft bgs inside and surrounding the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Labs in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and Chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

### **Vertical Delineation**

Vertical delineation was achieved in all borehole samples for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

### **Horizontal Delineation**

Horizontal delineation was achieved in all horizontal samples for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

## **5.0 Remediation Activities**

On August 27, 2025 and August 28, 2025, Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Prior to arriving on site, all tanks, equipment, and piping were removed from the site. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on August 22, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of BH-1 and BH-3 were excavated to a depth of 1.5' bgs with a square footage of approximately 696. The area of BH-2 was excavated to a depth of 2.5 ft bgs with an approximate square footage of 369. A total of six (6) confirmation floor samples were collected (CS-1 through CS-6), and ten (10) sidewall samples (SW-1 through SW-10) were collected every 200 square feet to ensure the proper removal of the contaminated soil. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 4500. 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 requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 1,065 square feet of contamination was remediated, resulting in 85 cubic yards of material excavated and transported offsite for proper disposal. Backfill operations were completed on September 3, 2025. A composite sample from the Fred Beard Backfill Pit, located at 32.161928°, -104.316363°, was collected for laboratory analysis on August 27, 2025, before being utilized. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 2.



## **6.0 Conclusions**

Based on the assessment and analytical data from the remediation, no further actions are required at the site. Chevron formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-8988.

Sincerely,  
**Carmona Resources, LLC**

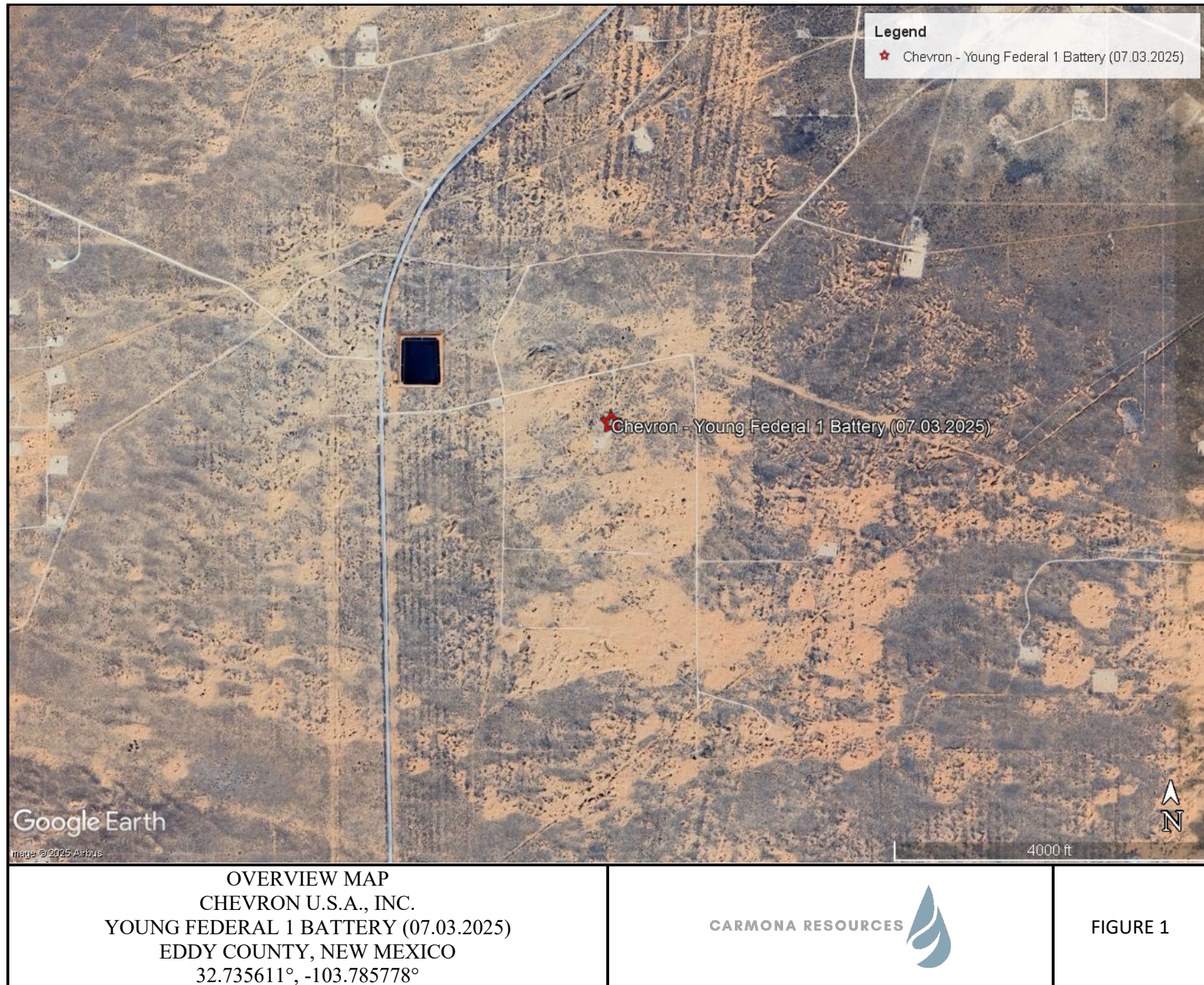
Ashton Thielke  
Environmental Manager

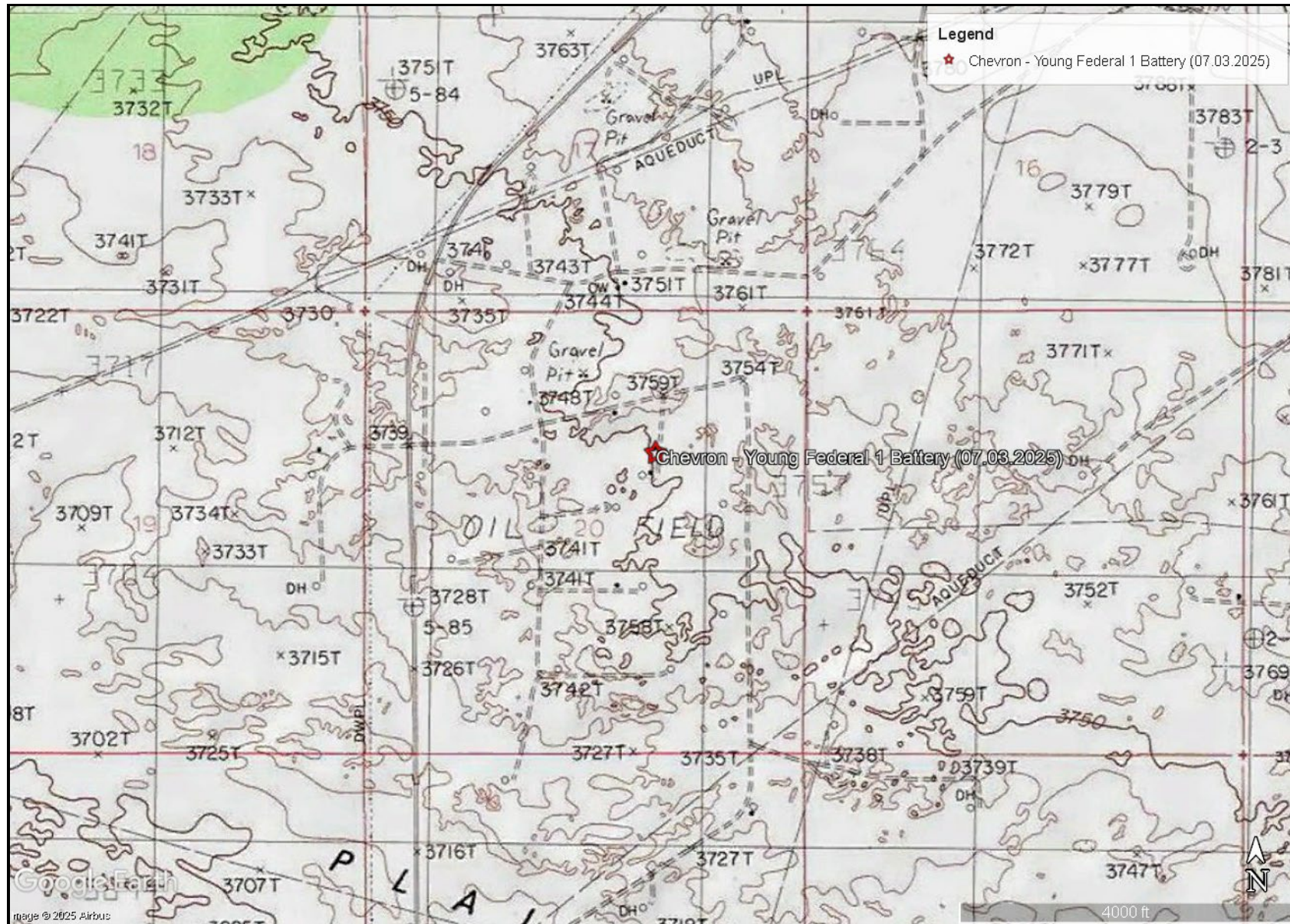
Gilbert Priego  
Project Manager

## FIGURES

CARMONA RESOURCES





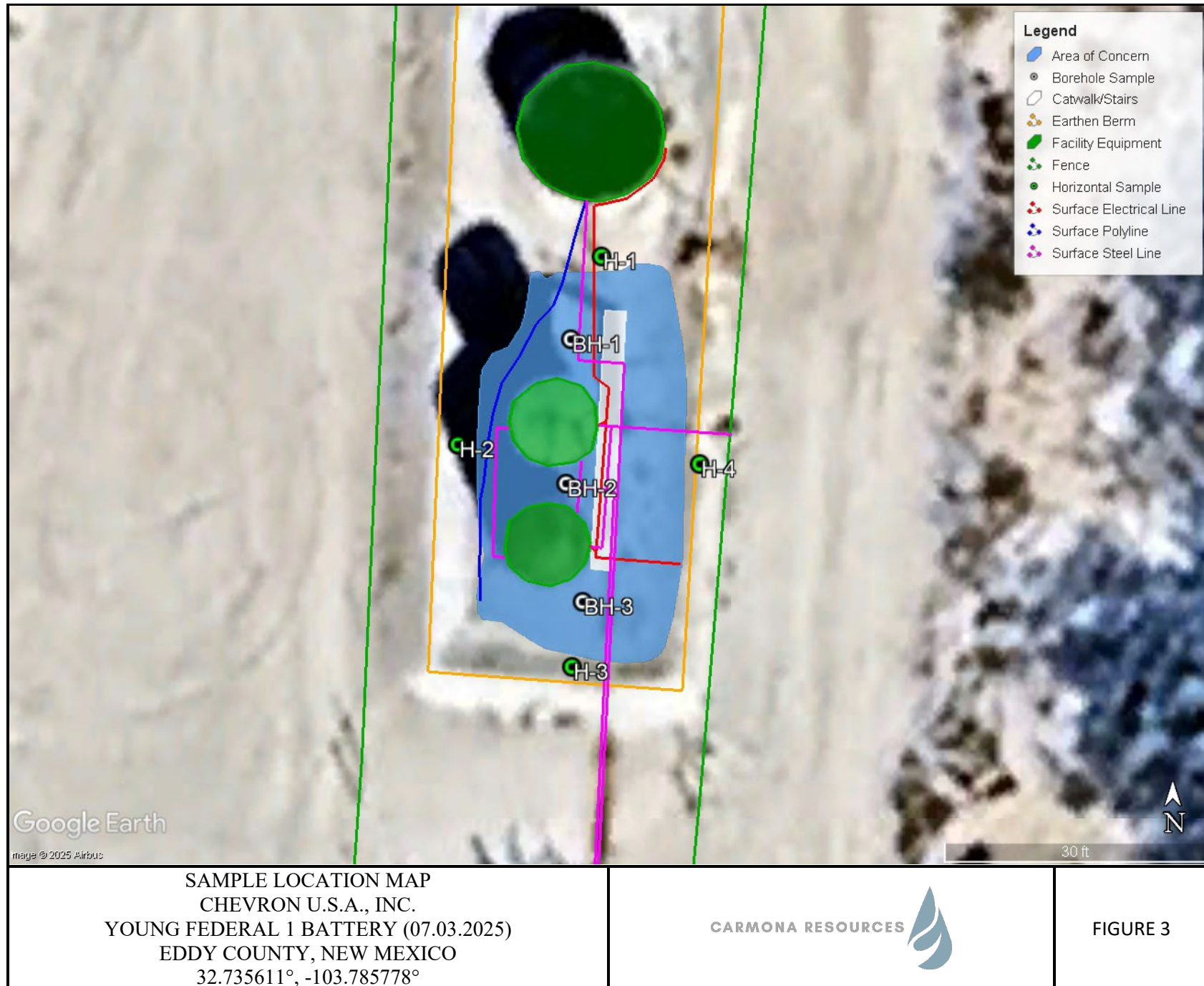


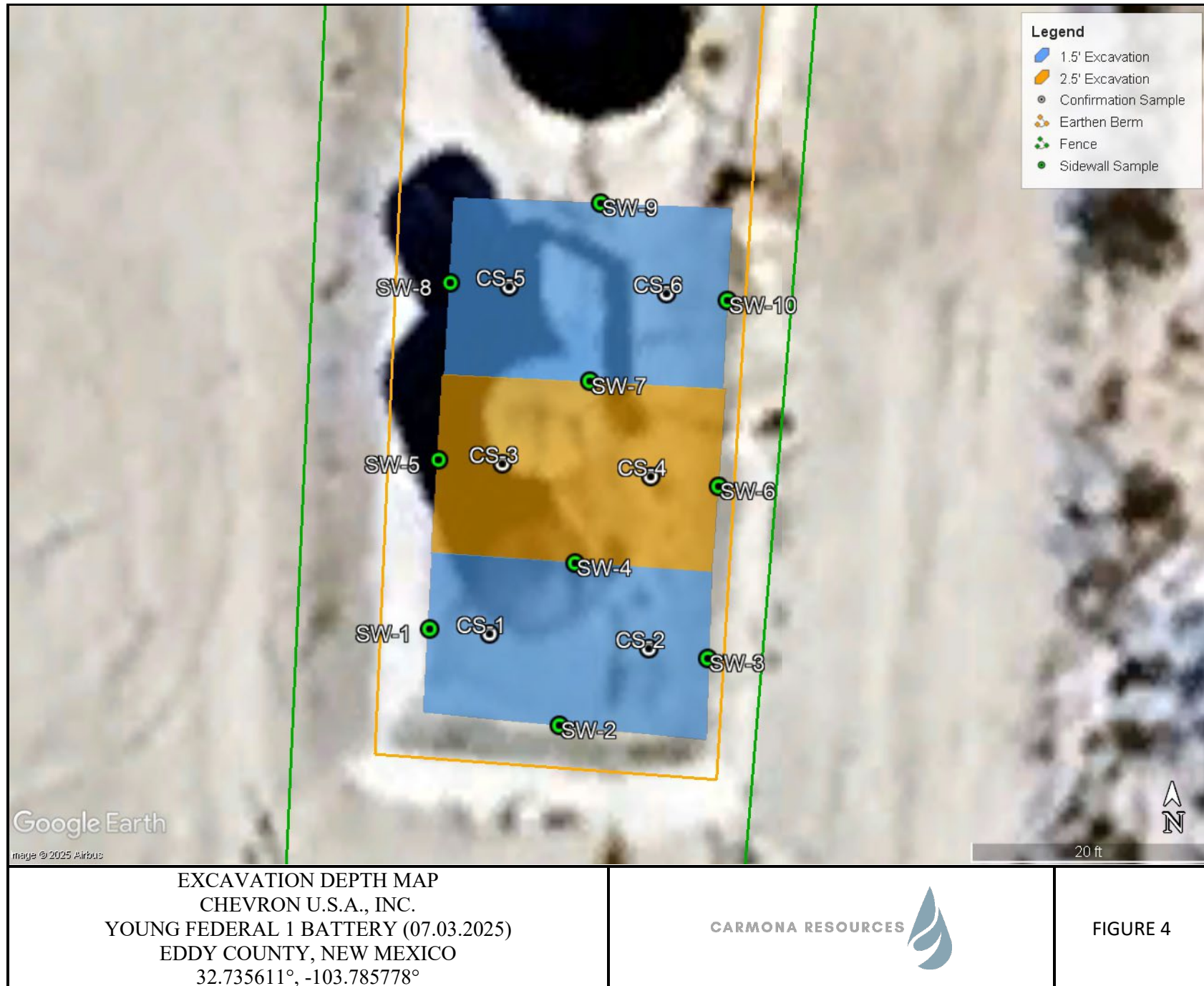
TOPOGRAPHIC MAP  
CHEVRON U.S.A., INC.  
YOUNG FEDERAL 1 BATTERY (07.03.2025)  
EDDY COUNTY, NEW MEXICO  
32.735611°, -103.785778°

CARMONA RESOURCES



FIGURE 2





## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**Chevron U.S.A., Inc.**  
**Young Federal 1 Battery (07.03.2025)**  
**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       |                 |                 |                      |                |                    |                  |
| BH-1                             | 7/24/2025 | 0-1.0      | 420         | 2,210 | <49.8 | 2,630       | 2.56            | 22.4            | 4.09                 | 36.6           | 65.7               | 62.8             |
|                                  | "         | 2.0        | <50.5       | 161   | <50.5 | 161         | <0.0402         | 0.216           | 0.159                | 0.667          | 1.04               | 117              |
|                                  | "         | 3.0        | <49.7       | 52.9  | <49.7 | 52.9        | <0.00200        | <0.00200        | <0.00200             | <0.00400       | <0.00400           | 213              |
|                                  | "         | 4.0        | <49.9       | <49.9 | <49.9 | <49.9       | <0.0398         | 0.0462          | <0.0398              | 0.228          | 0.274              | 142              |
|                                  | "         | 5.0        | <49.8       | <49.8 | <49.8 | <49.8       | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 62.1             |
|                                  | "         | 6.0        | <50.3       | 57.1  | <50.3 | 57.1        | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 165              |
|                                  | "         | 7.0        | <50.1       | <50.1 | <50.1 | <50.1       | <0.0399         | 0.0421          | <0.0399              | 0.167          | 0.209              | 217              |
|                                  | "         | 8.0        | <50.4       | <50.4 | <50.4 | <50.4       | <0.00200        | <0.00200        | <0.00200             | <0.00400       | <0.00400           | 168              |
|                                  | "         | 9.0        | <50.5       | <50.5 | <50.5 | <50.5       | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 80.2             |
|                                  | "         | 10.0       | <50.0       | 169   | <50.0 | 169         | <0.0398         | 0.0498          | <0.0398              | 0.341          | 0.391              | 75.1             |
|                                  | "         | 15.0       | <49.9       | <49.9 | <49.9 | <49.9       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 22.6             |
|                                  | "         | 20.0       | <49.9       | <49.9 | <49.9 | <49.9       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 16.3             |
| BH-2                             | 7/24/2025 | 0-1.0      | 1,260       | 4,820 | <49.8 | 6,080       | 1.00            | 1.31            | 2.10                 | 65.8           | 70.2               | 39.2             |
|                                  | "         | 2.0        | 606         | 4,480 | <50.0 | 5,090       | <0.0996         | 1.06            | 0.639                | 5.48           | 7.18               | <9.96            |
|                                  | "         | 3.0        | <50.3       | 217   | <50.3 | 217         | <0.0398         | <0.0398         | <0.0398              | 3.48           | 3.48               | 76.8             |
|                                  | "         | 4.0        | <50.1       | <50.1 | <50.1 | <50.1       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | <10.0            |
|                                  | "         | 5.0        | <50.2       | <50.2 | <50.2 | <50.2       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | <9.94            |
|                                  | "         | 6.0        | <50.1       | <50.1 | <50.1 | <50.1       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 479              |
|                                  | "         | 7.0        | <50.4       | <50.4 | <50.4 | <50.4       | <0.00201        | <0.00201        | 0.00358              | 0.00945        | 0.0130             | 702              |
|                                  | "         | 8.0        | <49.9       | 252   | <49.9 | 252         | 0.0689          | 0.0873          | 0.0441               | 0.915          | 1.12               | 212              |
|                                  | "         | 9.0        | <49.8       | 287   | <49.8 | 287         | 0.0820          | 0.141           | 0.0594               | 1.66           | 1.94               | 215              |
|                                  | "         | 10.0       | <49.8       | 216   | <49.8 | 216         | <0.0402         | <0.0402         | 0.131                | 0.388          | 0.519              | 90.0             |
|                                  | "         | 15.0       | <49.9       | <49.9 | <49.9 | <49.9       | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 13.7             |
|                                  | "         | 20.0       | <50.0       | <50.0 | <50.0 | <50.0       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 14.4             |
| BH-3                             | 7/24/2025 | 0-1.0      | 1,310       | 5,620 | <249  | 6,930       | 1.29            | 12.5            | 6.87                 | 40.4           | 61.1               | <9.94            |
|                                  | "         | 2.0        | 93.2        | 746   | <49.9 | 839         | 0.0501          | 0.389           | 0.185                | 1.93           | 2.56               | <10.1            |
|                                  | "         | 3.0        | <50.0       | <50.0 | <50.0 | <50.0       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | <10.1            |
|                                  | "         | 4.0        | <49.9       | <49.9 | <49.9 | <49.9       | 0.00229         | <0.00200        | <0.00200             | <0.00400       | <0.00400           | <10.0            |
|                                  | "         | 5.0        | <50.0       | <50.0 | <50.0 | <50.0       | <0.00200        | <0.00200        | 0.00227              | <0.00401       | <0.00401           | <9.98            |
|                                  | "         | 6.0        | <49.8       | <49.8 | <49.8 | <49.8       | 0.00406         | <0.00199        | <0.00199             | <0.00398       | 0.00774            | <9.92            |
|                                  | "         | 7.0        | <50.0       | <50.0 | <50.0 | <50.0       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | <9.94            |
|                                  | "         | 8.0        | <50.2       | <50.2 | <50.2 | <50.2       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | <10.0            |
|                                  | "         | 9.0        | <50.3       | <50.3 | <50.3 | <50.3       | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | <10.0            |
|                                  | "         | 10.0       | <50.1       | <50.1 | <50.1 | <50.1       | <0.00198        | <0.00198        | <0.00198             | <0.00397       | <0.00397           | <9.96            |
|                                  | "         | 15.0       | <50.4       | <50.4 | <50.4 | <50.4       | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | <9.94            |
|                                  | "         | 20.0       | <49.6       | <49.6 | <49.6 | <49.6       | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | <10.1            |
| Regulatory Criteria <sup>A</sup> |           |            | 1,000 mg/kg |       |       | 2,500 mg/kg | 10 mg/kg        |                 |                      |                | 50 mg/kg           | 10,000 mg/kg     |

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(BH) - Borehole Sample

Removed

**Table 1**  
**Chevron U.S.A., Inc.**  
**Young Federal 1 Battery (07.03.2025)**  
**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 |                 |                 |                      |                |                    |                  |
| H-1                              | 7/24/2025 | 0-0.5      | <50.1       | <50.1 | <50.1 | <50.1 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | <9.94            |
| H-2                              | 7/24/2025 | 0-0.5      | <49.8       | <49.8 | <49.8 | <49.8 | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | <10.1            |
| H-3                              | 7/24/2025 | 0-0.5      | <49.7       | <49.7 | <49.7 | <49.7 | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 30.4             |
| H-4                              | 7/24/2025 | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0 | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 29.9             |
| Regulatory Criteria <sup>A</sup> |           |            |             |       |       |       | 100 mg/kg       | 10 mg/kg        |                      |                | 50 mg/kg           | 600 mg/kg        |

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

**Table 2**  
**Chevron U.S.A., Inc.**  
**Young Federal 1 Battery (07.03.2025)**  
**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>                            | 8/27/2025 | 1.5        | <49.8              | <49.8 | <49.8 | <49.8              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | <10.0               |
| <b>CS-2</b>                            | 8/27/2025 | 1.5        | <50.2              | <50.2 | <50.2 | <50.2              | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 90.4                |
| <b>CS-3</b>                            | 8/27/2025 | 2.5        | <50.0              | <50.0 | <50.0 | <50.0              | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 19.8                |
| <b>CS-4</b>                            | 8/27/2025 | 2.5        | <49.9              | <49.9 | <49.9 | <49.9              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | <9.96               |
| <b>CS-5</b>                            | 8/27/2025 | 1.5        | <49.8              | <49.8 | <49.8 | <49.8              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | <10.1               |
| <b>CS-6</b>                            | 8/27/2025 | 1.5        | <50.0              | <50.0 | <50.0 | <50.0              | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | <10.1               |
| <b>Regulatory Criteria<sup>A</sup></b> |           |            | <b>1,000 mg/kg</b> |       |       | <b>2,500 mg/kg</b> | <b>10 mg/kg</b> |                 |                      |                | <b>50 mg/kg</b>    | <b>10,000 mg/kg</b> |

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

**Table 2**  
**Chevron U.S.A., Inc.**  
**Young Federal 1 Battery (07.03.2025)**  
**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>                            | 8/27/2025 | 1.5        | <50.1       | <50.1 | <50.1 | <50.1 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | <9.98            |
| <b>SW-2</b>                            | 8/27/2025 | 1.5        | <50.2       | <50.2 | <50.2 | <50.2 | <0.00200         | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 169              |
| <b>SW-3</b>                            | 8/27/2025 | 1.5        | <50.3       | <50.3 | <50.3 | <50.3 | <0.00202         | <0.00202        | <0.00202             | <0.00403       | <0.00403           | 10.3             |
| <b>SW-4</b>                            | 8/27/2025 | 1.5-2.5    | <50.0       | <50.0 | <50.0 | <50.0 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 92.3             |
| <b>SW-5</b>                            | 8/27/2025 | 2.5        | <49.8       | <49.8 | <49.8 | <49.8 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 19.0             |
| <b>SW-6</b>                            | 8/27/2025 | 2.5        | <49.9       | <49.9 | <49.9 | <49.9 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 18.8             |
| <b>SW-7</b>                            | 8/27/2025 | 1.5-2.5    | <49.6       | <49.6 | <49.6 | <49.6 | <0.00201         | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 9.90             |
| <b>SW-8</b>                            | 8/27/2025 | 1.5        | <50.2       | <50.2 | <50.2 | <50.2 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 15.3             |
| <b>SW-9</b>                            | 8/27/2025 | 1.5        | <49.9       | <49.9 | <49.9 | <49.9 | <0.00198         | <0.00198        | <0.00198             | <0.00396       | <0.00396           | <10.1            |
| <b>SW-10</b>                           | 8/27/2025 | 1.5        | <50.0       | <50.0 | <50.0 | <50.0 | <0.00199         | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 11.4             |
| <b>Backfill</b>                        | 8/27/2025 | -          | <50.1       | <50.1 | <50.1 | <50.1 | <0.00200         | <0.00200        | <0.00200             | <0.00399       | <0.00399           | <10.1            |
| <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

Chevron U.S.A., Inc.

## Photograph No. 1

**Facility:** Young Federal 1 Battery

**County:** Lea County, New Mexico

**Description:**

View North, Area of BH-1, BH-2, and BH-3.



## Photograph No. 2

**Facility:** Young Federal 1 Battery

**County:** Lea County, New Mexico

**Description:**

View South, Area of BH-1, BH-2, and BH-3.



## Photograph No. 3

**Facility:** Young Federal 1 Battery

**County:** Lea County, New Mexico

**Description:**

View East, Area of BH-1, BH-2, and BH-3



## APPENDIX C

CARMONA RESOURCES



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

General Information  
Phone: (505) 629-6116

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<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 481701

QUESTIONS

|                                                                            |                                                        |
|----------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                         |
|                                                                            | Action Number:<br>481701                               |
|                                                                            | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

QUESTIONS

|                                                                                            |                         |
|--------------------------------------------------------------------------------------------|-------------------------|
| <b>Location of Release Source</b><br><i>Please answer all the questions in this group.</i> |                         |
| Site Name                                                                                  | Young Federal 1 Battery |
| Date Release Discovered                                                                    | 07/03/2025              |
| Surface Owner                                                                              | Federal                 |

|                                                                                                      |             |
|------------------------------------------------------------------------------------------------------|-------------|
| <b>Incident Details</b><br><i>Please answer all the questions in this group.</i>                     |             |
| Incident Type                                                                                        | Oil 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          |

|                                                                                                                                                                                                                                    |                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Nature and Volume of Release</b><br><i>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.</i> |                                                                                                                  |
| Crude Oil Released (bbls) Details                                                                                                                                                                                                  | Cause: Overflow - Tank, Pit, Etc.   Tank (Any)   Crude Oil   Released: 42 BBL   Recovered: 40 BBL   Lost: 2 BBL. |
| Produced Water Released (bbls) Details                                                                                                                                                                                             | Not answered.                                                                                                    |
| Is the concentration of chloride in the produced water >10,000 mg/l                                                                                                                                                                | Not answered.                                                                                                    |
| Condensate Released (bbls) Details                                                                                                                                                                                                 | Not answered.                                                                                                    |
| Natural Gas Vented (Mcf) Details                                                                                                                                                                                                   | Not answered.                                                                                                    |
| Natural Gas Flared (Mcf) Details                                                                                                                                                                                                   | Not answered.                                                                                                    |
| Other Released Details                                                                                                                                                                                                             | Not answered.                                                                                                    |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)                                                                               | Not answered.                                                                                                    |

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

QUESTIONS, Page 2

Action 481701

**QUESTIONS (continued)**

|                                                                            |                                                        |
|----------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                         |
|                                                                            | Action Number:<br>481701                               |
|                                                                            | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

**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>(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. |                                                                                                                                        |

**Initial Response**

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

|                                                                                                                    |               |
|--------------------------------------------------------------------------------------------------------------------|---------------|
| The source of the release has been stopped                                                                         | True          |
| The impacted area has been secured to protect human health and the environment                                     | True          |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True          |
| All free liquids and recoverable materials have been removed and managed appropriately                             | True          |
| If all the actions described above have not been undertaken, explain why                                           | Not answered. |

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

ACKNOWLEDGMENTS

Action 481701

**ACKNOWLEDGMENTS**

|                                                                            |                                                        |
|----------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                         |
|                                                                            | Action Number:<br>481701                               |
|                                                                            | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

**ACKNOWLEDGMENTS**

|                                     |                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | I acknowledge that I am authorized to submit notification of a release on behalf of my operator.                                                                                                                                                                                                                                             |
| <input checked="" type="checkbox"/> | I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.                                                                                                                        |
| <input checked="" type="checkbox"/> | I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.                                                                                               |
| <input checked="" type="checkbox"/> | 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. |
| <input checked="" type="checkbox"/> | I acknowledge the fact that 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.                                              |
| <input checked="" type="checkbox"/> | I acknowledge the fact that, 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.                                                                                                                                   |

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

CONDITIONS

Action 481701

CONDITIONS

|                                                                                |                                                            |
|--------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br><br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br><br>4323                                         |
|                                                                                | Action Number:<br><br>481701                               |
|                                                                                | Action Type:<br><br>[NOTIFY] Notification Of Release (NOR) |

CONDITIONS

| Created By | Condition                                                                                                                                                           | Condition Date |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| klincoln   | When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141. | 7/3/2025       |

**Spilled Material:** Crude Oil Only  
**Oil Released:** 41.892 bbl  
**Oil Recovered:** 40 bbl  
**Water Released:** 0 bbl  
**Water Recovered:** 0 bbl

| Calculation Details |           |                       |                           |                        |           |            |                   |                      |              |
|---------------------|-----------|-----------------------|---------------------------|------------------------|-----------|------------|-------------------|----------------------|--------------|
| Area                | Shape     | Secondary Containment | Standing Liquid Dimension | Standing Liquid Volume | Water Cut | Oil Volume | Penetration Depth | Water to Soil Volume | Water Volume |
| 1                   | Rectangle | Berm                  | 14 ft x 10 ft x 0 in      | 0.779 bbl              | 0%        | 0.779 bbl  | 2.5 in            | 0.779 bbl            |              |
| 2                   | Rectangle | Berm                  | 20 ft x 10 ft x 0 in      | 1.113 bbl              | 0%        | 1.113 bbl  | 2.5 in            | 1.113 bbl            |              |
| 3                   |           |                       |                           |                        | %         |            |                   |                      |              |
| 4                   |           |                       |                           |                        | %         |            |                   |                      |              |
| 5                   |           |                       |                           |                        | %         |            |                   |                      |              |
| 6                   |           |                       |                           |                        | %         |            |                   |                      |              |
| 7                   |           |                       |                           |                        | %         |            |                   |                      |              |
| Rec Vol             |           |                       |                           |                        |           | 40         |                   |                      | 0            |
| Total Vol           |           |                       |                           |                        |           | 41.892     |                   |                      | 0            |

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

QUESTIONS

Action 482185

QUESTIONS

|                                                                            |                                                           |
|----------------------------------------------------------------------------|-----------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                            |
|                                                                            | Action Number:<br>482185                                  |
|                                                                            | Action Type:<br>[C-141] Release Corrective Action (C-141) |

QUESTIONS

|                   |                                            |
|-------------------|--------------------------------------------|
| Prerequisites     |                                            |
| Incident ID (n#)  | nAPP2518460990                             |
| Incident Name     | NAPP2518460990 YOUNG FEDERAL 1 BATTERY @ 0 |
| Incident Type     | Oil Release                                |
| Incident Status   | Initial C-141 Received                     |
| Incident Facility | [fAPP2133447822] Young Federal 1 Battery   |

|                                                |                         |
|------------------------------------------------|-------------------------|
| Location of Release Source                     |                         |
| Please answer all the questions in this group. |                         |
| Site Name                                      | Young Federal 1 Battery |
| Date Release Discovered                        | 07/03/2025              |
| Surface Owner                                  | Federal                 |

|                                                                                                      |             |
|------------------------------------------------------------------------------------------------------|-------------|
| Incident Details                                                                                     |             |
| Please answer all the questions in this group.                                                       |             |
| Incident Type                                                                                        | Oil 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                                                                                                                                                    | Cause: Overflow - Tank, Pit, Etc.   Tank (Any)   Crude Oil   Released: 42 BBL   Recovered: 40 BBL   Lost: 2 BBL. |
| Produced Water Released (bbls) Details                                                                                                                                               | Not answered.                                                                                                    |
| Is the concentration of chloride in the produced water >10,000 mg/l                                                                                                                  | No                                                                                                               |
| Condensate Released (bbls) Details                                                                                                                                                   | Not answered.                                                                                                    |
| Natural Gas Vented (Mcf) Details                                                                                                                                                     | Not answered.                                                                                                    |
| Natural Gas Flared (Mcf) Details                                                                                                                                                     | Not answered.                                                                                                    |
| Other Released Details                                                                                                                                                               | Not answered.                                                                                                    |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)                                 | Not answered.                                                                                                    |

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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 482185

**QUESTIONS (continued)**

|                                                                            |                                                           |
|----------------------------------------------------------------------------|-----------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                            |
|                                                                            | Action Number:<br>482185                                  |
|                                                                            | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**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>(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. |                                                                                                                                        |

**Initial Response**

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

|                                                                                                                    |               |
|--------------------------------------------------------------------------------------------------------------------|---------------|
| The source of the release has been stopped                                                                         | True          |
| The impacted area has been secured to protect human health and the environment                                     | True          |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True          |
| All free liquids and recoverable materials have been removed and managed appropriately                             | True          |
| If all the actions described above have not been undertaken, explain why                                           | Not answered. |

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

|                                                    |    |
|----------------------------------------------------|----|
| I hereby agree and sign off to the above statement | No |
|----------------------------------------------------|----|

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

QUESTIONS, Page 3

Action 482185

**QUESTIONS (continued)**

|                                                                            |                                                           |
|----------------------------------------------------------------------------|-----------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                            |
|                                                                            | Action Number:<br>482185                                  |
|                                                                            | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**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)                                                                                                                           | Not answered. |
| What method was used to determine the depth to ground water                                                                                                                                                                                          | Not answered. |
| Did this release impact groundwater or surface water                                                                                                                                                                                                 | Not answered. |
| <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                                                                                                                                                                              | Not answered. |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)                                                                                                                                                                    | Not answered. |
| An occupied permanent residence, school, hospital, institution, or church                                                                                                                                                                            | Not answered. |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes                                                                                                                            | Not answered. |
| Any other fresh water well or spring                                                                                                                                                                                                                 | Not answered. |
| Incorporated municipal boundaries or a defined municipal fresh water well field                                                                                                                                                                      | Not answered. |
| A wetland                                                                                                                                                                                                                                            | Not answered. |
| A subsurface mine                                                                                                                                                                                                                                    | Not answered. |
| An (non-karst) unstable area                                                                                                                                                                                                                         | Not answered. |
| Categorize the risk of this well / site being in a karst geology                                                                                                                                                                                     | Not answered. |
| A 100-year floodplain                                                                                                                                                                                                                                | Not answered. |
| Did the release impact areas not on an exploration, development, production, or storage site                                                                                                                                                         | Not answered. |

|                                                                                                                                                                                                                                                                                                                                                                                       |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| <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                                                                                                                                                                                                                                                                                                                           | No |
| <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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Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 482185

CONDITIONS

|                                                                            |                                                           |
|----------------------------------------------------------------------------|-----------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                            |
|                                                                            | Action Number:<br>482185                                  |
|                                                                            | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

|               |           |                |
|---------------|-----------|----------------|
| Created By    | Condition | Condition Date |
| scott.rodgers | None      | 7/17/2025      |

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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

Action 498397

## QUESTIONS

|                                                                            |                                                            |
|----------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                             |
|                                                                            | Action Number:<br>498397                                   |
|                                                                            | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

## QUESTIONS

| Prerequisites     |                                            |
|-------------------|--------------------------------------------|
| Incident ID (n#)  | nAPP2518460990                             |
| Incident Name     | NAPP2518460990 YOUNG FEDERAL 1 BATTERY @ 0 |
| Incident Type     | Oil Release                                |
| Incident Status   | Initial C-141 Approved                     |
| Incident Facility | [fAPP2133447822] Young Federal 1 Battery   |

| Location of Release Source |                         |
|----------------------------|-------------------------|
| Site Name                  | Young Federal 1 Battery |
| Date Release Discovered    | 07/03/2025              |
| Surface Owner              | Federal                 |

| Sampling Event General Information                                                              |                                                                                                                                            |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Please answer all the questions in this group.                                                  |                                                                                                                                            |
| What is the sampling surface area in square feet                                                | 800                                                                                                                                        |
| What is the estimated number of samples that will be gathered                                   | 10                                                                                                                                         |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 08/27/2025                                                                                                                                 |
| Time sampling will commence                                                                     | 08:00 AM                                                                                                                                   |
| Please provide any information necessary for observers to contact samplers                      | Carmona Resources – 432-813-8988                                                                                                           |
| Please provide any information necessary for navigation to sampling site                        | “(32.735611°,-103.785778°) Carmona Resources will be onsite to collect confirmation floor samples from the excavation taking place onsite. |

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

CONDITIONS

Action 498397

CONDITIONS

|                                                                                |                                                            |
|--------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br><br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br><br>4323                                         |
|                                                                                | Action Number:<br><br>498397                               |
|                                                                                | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

CONDITIONS

| Created By | Condition                                                                                                                                                                                                      | Condition Date |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| klincoln   | 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.          | 8/22/2025      |
| klincoln   | If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application. | 8/22/2025      |

## APPENDIX D

CARMONA RESOURCES



**Nearest water well**

CHEVRON U S A INC

**Legend**

- 0.01 Miles
- 0.50 Mile Radius
- Groundwater Determination Bore
- Young Federal 1 Battery (07.03.2025)



Low Karst

CHEVRON U S A INC

Legend

- Low
- Young Federal 1 Battery (07.03.2025)



Young Federal 1 Battery (07.03.2025)





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 01986 POD1</a> |      | CP        | LE     | NW  | NW  | NE | 16  | 18S | 32E   | 615292.4 | 3624605.5   |     | 2495     | 55         |             |              |
| <a href="#">CP 00672</a>      |      | CP        | LE     |     | SE  | SE | 07  | 18S | 32E   | 612475.0 | 3624947.0 * |     | 2654     | 524        | 430         | 94           |
| <a href="#">CP 01938 POD1</a> |      | CP        | LE     | NW  | SE  | NW | 32  | 18S | 32E   | 613276.6 | 3619332.4   |     | 3333     | 51         |             |              |
| <a href="#">CP 00814 POD1</a> |      | CP        | LE     |     | NE  | NE | 08  | 18S | 32E   | 614074.0 | 3626168.0 * |     | 3551     | 480        |             |              |
| <a href="#">CP 02001 POD1</a> |      | CP        | LE     | NE  | SW  | NW | 10  | 18S | 32E   | 616091.2 | 3625869.6   |     | 3986     | 55         |             |              |

Average Depth to Water: 430 feet

Minimum Depth: 430 feet

Maximum Depth: 430 feet

Record Count: 5

UTM Filters (in meters):

Easting: 613768.21

Northing: 3622629.32

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](http://www.ose.state.nm.us)

|                                                                                                                                                                  |                                                                                                                                                                           |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------------|--------------------|
| 1. GENERAL AND WELL LOCATION                                                                                                                                     | OSE POD NO. (WELL NO.)<br>Pod 1                                                                                                                                           |                     | WELL TAG ID NO.                          |                                                                                        | OSE FILE NO(S).<br>CP-2088                     |                                                       |                                                                        |                    |
|                                                                                                                                                                  | WELL OWNER NAME(S)<br>Chevron USA                                                                                                                                         |                     |                                          |                                                                                        | PHONE (OPTIONAL)                               |                                                       |                                                                        |                    |
|                                                                                                                                                                  | WELL OWNER MAILING ADDRESS<br>6301 Deauville Blvd.                                                                                                                        |                     |                                          |                                                                                        | CITY<br>Midland                                | STATE<br>TX                                           | ZIP<br>79706                                                           |                    |
|                                                                                                                                                                  | WELL LOCATION (FROM GPS)                                                                                                                                                  | DEGREES<br>LATITUDE | MINUTES<br>32                            | SECONDS<br>44                                                                          | 9.20                                           | N                                                     | * ACCURACY REQUIRED: ONE TENTH OF A SECOND<br>* DATUM REQUIRED: WGS 84 |                    |
|                                                                                                                                                                  |                                                                                                                                                                           | LONGITUDE           | 103                                      | 47                                                                                     | 9.66                                           | W                                                     |                                                                        |                    |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE<br>Section 20 Township 18s Range 32e |                                                                                                                                                                           |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
| 2. DRILLING & CASING INFORMATION                                                                                                                                 | LICENSE NO.<br>WD-1862                                                                                                                                                    |                     | NAME OF LICENSED DRILLER<br>James Hawley |                                                                                        |                                                | NAME OF WELL DRILLING COMPANY<br>H&R Enterprises, LLC |                                                                        |                    |
|                                                                                                                                                                  | DRILLING STARTED<br>10-1-25                                                                                                                                               |                     | DRILLING ENDED<br>10-1-25                |                                                                                        | DEPTH OF COMPLETED WELL (FT)<br>55'            | BORE HOLE DEPTH (FT)<br>55'                           | DEPTH WATER FIRST ENCOUNTERED (FT)<br>N/A                              |                    |
|                                                                                                                                                                  | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)                           |                     |                                          |                                                                                        |                                                | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br>N/A      |                                                                        |                    |
|                                                                                                                                                                  | DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:                                                                 |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  | DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY: |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  | DEPTH (feet bgl)                                                                                                                                                          |                     | BORE HOLE DIAM (inches)                  | CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) | CASING CONNECTION TYPE (add coupling diameter) | CASING INSIDE DIAM. (inches)                          | CASING WALL THICKNESS (inches)                                         | SLOT SIZE (inches) |
|                                                                                                                                                                  | FROM                                                                                                                                                                      | TO                  |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  | 0                                                                                                                                                                         | 55'                 | 6"                                       | No casing left in hole                                                                 |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  |                                                                                                                                                                           |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  |                                                                                                                                                                           |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  |                                                                                                                                                                           |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  |                                                                                                                                                                           |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  |                                                                                                                                                                           |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
| 3. ANNULAR MATERIAL                                                                                                                                              | DEPTH (feet bgl)                                                                                                                                                          |                     | BORE HOLE DIAM. (inches)                 | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL                      | AMOUNT (cubic feet)                            | METHOD OF PLACEMENT                                   |                                                                        |                    |
|                                                                                                                                                                  | FROM                                                                                                                                                                      | TO                  |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  |                                                                                                                                                                           |                     |                                          | N/A                                                                                    |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  |                                                                                                                                                                           |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  |                                                                                                                                                                           |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  |                                                                                                                                                                           |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  |                                                                                                                                                                           |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |
|                                                                                                                                                                  |                                                                                                                                                                           |                     |                                          |                                                                                        |                                                |                                                       |                                                                        |                    |

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

|          |                 |             |
|----------|-----------------|-------------|
| FILE NO. | POD NO.         | TRN NO.     |
| LOCATION | WELL TAG ID NO. | PAGE 1 OF 2 |

#### 4. HYDROGEOLOGIC LOG OF WELL

## 5. TEST: RIG SUPERVISION

## 6. SIGNATURE

|                      |         |                                              |             |
|----------------------|---------|----------------------------------------------|-------------|
| FOR OSE INTERNAL USE |         | WR-20 WELL RECORD & LOG (Version 04/30/2019) |             |
| FILE NO.             | POD NO. | TRN NO.                                      |             |
| LOCATION             |         | WELL TAG ID NO                               | PAGE 2 OF 2 |



# PLUGGING RECORD



**NOTE:** A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2088 Pod 1

Well owner: Chevron USA

Phone No.: 432-813-5384

Mailing address: 6301 Deauville Blvd

City: Midland

State: TX

Zip code: 79706

## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6/16/27
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):  
Nathan Smelcer
- 4) Date well plugging began: 10-6-25 Date well plugging concluded: 10-6-25
- 5) GPS Well Location: Latitude: 32 deg, 44 min, 9.20 sec  
Longitude: 103 deg, 47 min, 9.66 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),  
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 8/20/25
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- For each interval plugged, describe within the following columns:**

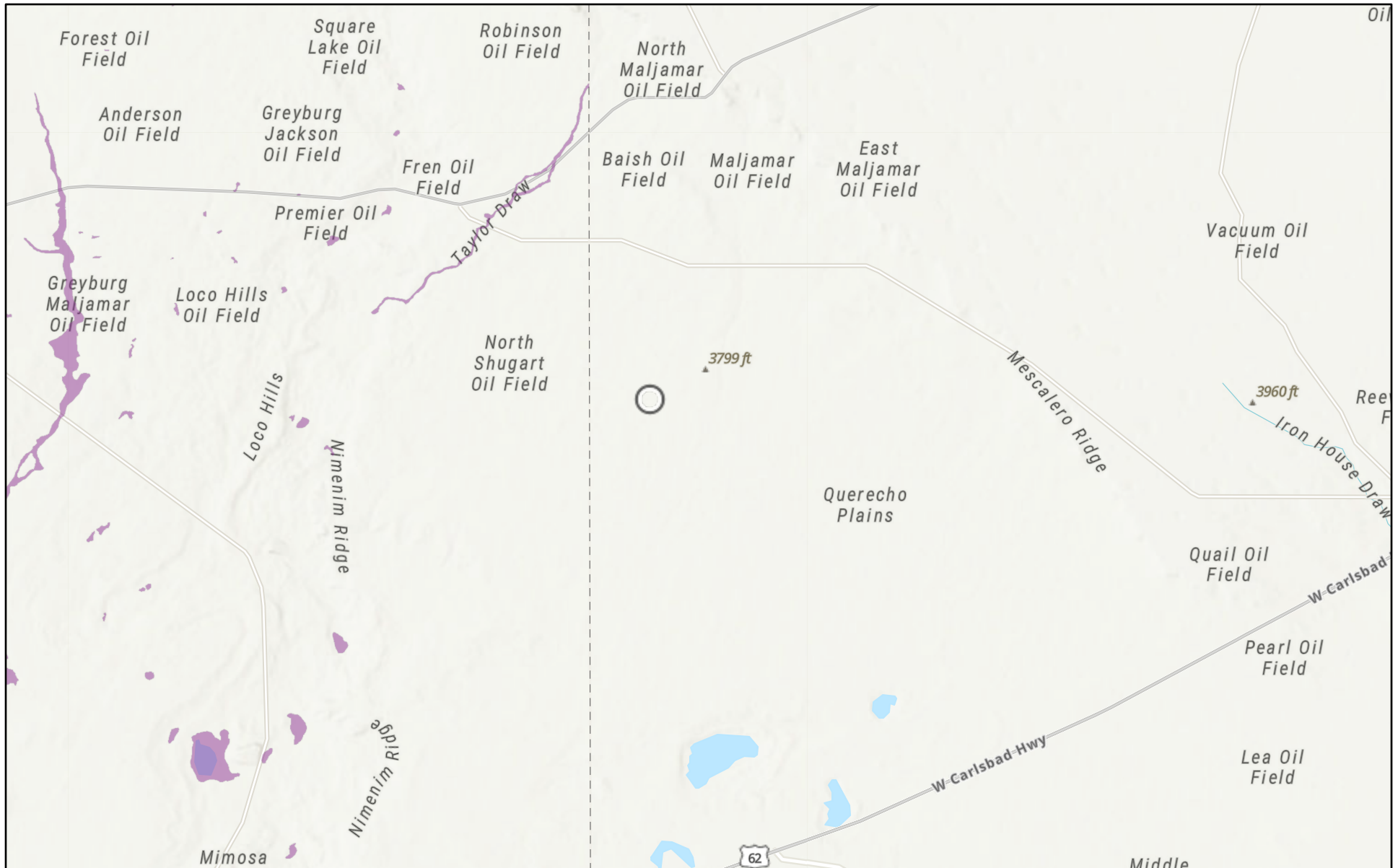
| MULTIPLY    |   | BY     | AND OBTAIN |
|-------------|---|--------|------------|
| cubic feet  | x | 7.4805 | = gallons  |
| cubic yards | x | 201.97 | = gallons  |

I, James Hawley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

Date \_\_\_\_\_

## Young Federal 1 Battery (07.03.2025)



7/7/2025

USA Flood Hazard Areas

 1% Annual Chance Flood Hazard

World\_Hillshade

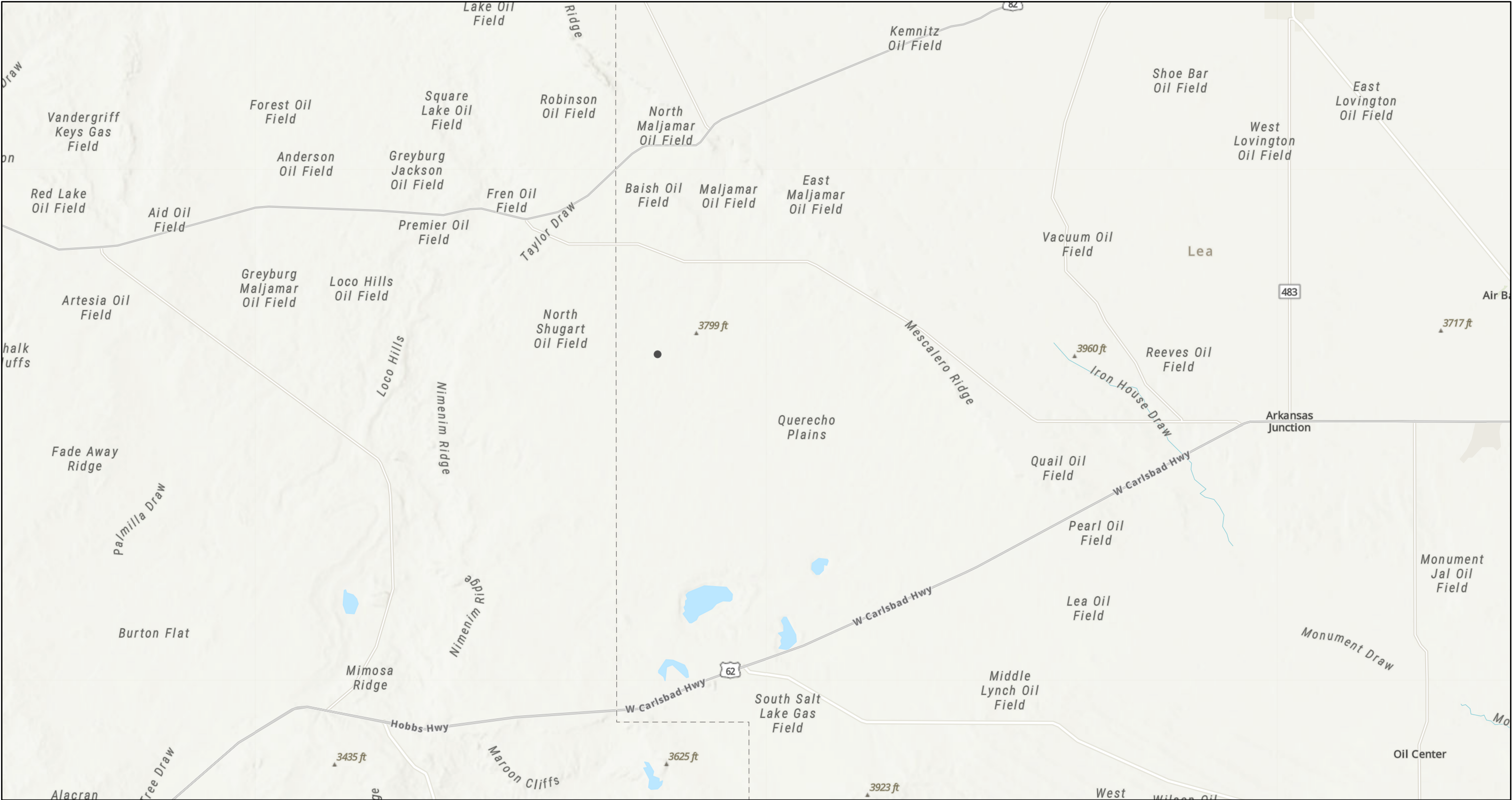


1:288,895

0 2 4 8 mi  
0 3.25 6.5 13 km

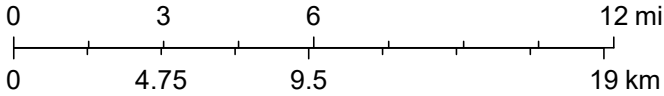
Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

# Young Federal 1 Battery (07.03.2025)



7/7/2025, 3:08:23 PM

1:288,895



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## APPENDIX E

CARMONA RESOURCES





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ashton Thielke  
Carmona Resources  
310 W Wall St  
Ste 500  
Midland, Texas 79701

Generated 7/29/2025 2:50:33 PM

## JOB DESCRIPTION

Young Federal 1  
Lea County, NM

## JOB NUMBER

880-60777-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

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

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

## Authorization



Generated  
7/29/2025 2:50:33 PM

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

Client: Carmona Resources  
Project/Site: Young Federal 1

Laboratory Job ID: 880-60777-1  
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Qualifiers

GC VOA

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

HPLC/IC

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

Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: Young Federal 1

Job ID: 880-60777-1

Job ID: 880-60777-1

Eurofins Midland

**Job Narrative**  
**880-60777-1**

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 7/25/2025 9:35 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 -5.6°C.

**GC VOA**

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH2 (9.0') (880-60777-21), BH3 (0-1.0') (880-60777-25), BH3 (2.0') (880-60777-26) and BH3 (6.0') (880-60777-30). 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 880-115039 and analytical batch 880-115076 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH1 (0-1.0') (880-60777-1), BH1 (4.0') (880-60777-4), BH1 (6.0') (880-60777-6), BH1 (7.0') (880-60777-7), BH1 (8.0') (880-60777-8), BH1 (9.0') (880-60777-9), BH1 (10.0') (880-60777-10), BH2 (0-1.0') (880-60777-13), BH2 (2.0') (880-60777-14), BH2 (7.0') (880-60777-19), (CCV 880-115076/33) and (880-60775-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH1 (3.0') (880-60777-3) and BH1 (6.0') (880-60777-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: BH2 (10.0') (880-60777-22). Elevated reporting limits (RLs) are provided.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: BH1 (2.0') (880-60777-2), BH1 (3.0') (880-60777-3), BH1 (4.0') (880-60777-4), BH1 (6.0') (880-60777-6), BH1 (7.0') (880-60777-7), BH1 (10.0') (880-60777-10), BH2 (2.0') (880-60777-14) and BH2 (3.0') (880-60777-15). Elevated reporting limits (RLs) are provided.

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 880-115055 and analytical batch 880-115009 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 samples were outside control limits: BH2 (0-1.0') (880-60777-13) and BH2 (2.0') (880-60777-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: BH1 (0-1.0') (880-60777-1) and BH3 (0-1.0') (880-60777-25). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Eurofins Midland

### Case Narrative

Client: Carmona Resources  
Project: Young Federal 1

Job ID: 880-60777-1

**Job ID: 880-60777-1 (Continued)** **Eurofins Midland**

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (880-60774-A-7-C MS). Evidence of matrix interferences is not obvious.

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 880-115060 and analytical batch 880-115093 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.

Eurofins Midland

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH1 (0-1.0')

Lab Sample ID: 880-60777-1

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte        | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene        | 2.56   |           | 0.200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:21 | 100     |
| Toluene        | 22.4   |           | 0.200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:21 | 100     |
| Ethylbenzene   | 4.09   |           | 0.200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:21 | 100     |
| m,p-Xylenes    | 27.3   |           | 0.399 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:21 | 100     |
| o-Xylene       | 9.31   |           | 0.200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:21 | 100     |
| Xylenes, Total | 36.6   |           | 0.399 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:21 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 198       | S1+       | 70 - 130 | 07/25/25 11:40 | 07/26/25 15:21 | 100     |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 | 07/25/25 11:40 | 07/26/25 15:21 | 100     |

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

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 65.7   |           | 0.399 |     | mg/Kg |   |          | 07/26/25 15:21 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 2630   |           | 49.8 |     | mg/Kg |   |          | 07/26/25 01:21 | 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 | 420    | F1        | 49.8 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 01:21 | 1       |
| Diesel Range Organics (Over C10-C28) | 2210   |           | 49.8 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 01:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 01:21 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 116       |           | 70 - 130 | 07/25/25 15:17 | 07/26/25 01:21 | 1       |
| o-Terphenyl (Surr)    | 137       | S1+       | 70 - 130 | 07/25/25 15:17 | 07/26/25 01:21 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 62.8   |           | 9.96 |     | mg/Kg |   |          | 07/28/25 11:25 | 1       |

Client Sample ID: BH1 (2.0')

Lab Sample ID: 880-60777-2

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte        | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.0402 | U         | 0.0402 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:41 | 20      |
| Toluene        | 0.216   |           | 0.0402 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:41 | 20      |
| Ethylbenzene   | 0.159   |           | 0.0402 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:41 | 20      |
| m,p-Xylenes    | 0.425   |           | 0.0803 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:41 | 20      |
| o-Xylene       | 0.242   |           | 0.0402 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:41 | 20      |
| Xylenes, Total | 0.667   |           | 0.0803 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:41 | 20      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 118       |           | 70 - 130 | 07/25/25 11:40 | 07/26/25 15:41 | 20      |
| 1,4-Difluorobenzene (Surr)  | 119       |           | 70 - 130 | 07/25/25 11:40 | 07/26/25 15:41 | 20      |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH1 (2.0')

Lab Sample ID: 880-60777-2

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 1.04   |           | 0.0803 |     | mg/Kg |   |          | 07/26/25 15:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 161    |           | 50.5 |     | mg/Kg |   |          | 07/26/25 02:08 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.5     | U         | 50.5     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 02:08 | 1       |
| Diesel Range Organics (Over C10-C28) | 161       |           | 50.5     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 02:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.5     | U         | 50.5     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 02:08 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 98        |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 02:08 | 1       |
| o-Terphenyl (Surr)                   | 99        |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 02:08 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 117    |           | 10.1 |     | mg/Kg |   |          | 07/28/25 11:42 | 1       |

Client Sample ID: BH1 (3.0')

Lab Sample ID: 880-60777-3

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/28/25 08:28 | 07/28/25 14:27 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 14:27 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 14:27 | 1       |
| m,p-Xylenes                 | <0.00400  | U         | 0.00400  |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 14:27 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 14:27 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 14:27 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 195       | S1+       | 70 - 130 |     |       |   | 07/28/25 08:28 | 07/28/25 14:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 |     |       |   | 07/28/25 08:28 | 07/28/25 14:27 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 |     | mg/Kg |   |          | 07/28/25 14:27 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 52.9   |           | 49.7 |     | mg/Kg |   |          | 07/26/25 02:24 | 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 |   | 07/25/25 15:17 | 07/26/25 02:24 | 1       |
| Diesel Range Organics (Over C10-C28) | 52.9   |           | 49.7 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 02:24 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH1 (3.0')

Lab Sample ID: 880-60777-3

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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) | <49.7     | U         | 49.7     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 02:24 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 108       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 02:24 | 1       |
| o-Terphenyl (Surr)                | 104       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 02:24 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 213    |           | 10.0 |     | mg/Kg |   |          | 07/28/25 11:47 | 1       |

Client Sample ID: BH1 (4.0')

Lab Sample ID: 880-60777-4

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.0398   | U         | 0.0398   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 16:22 | 20      |
| Toluene                     | 0.0462    |           | 0.0398   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 16:22 | 20      |
| Ethylbenzene                | <0.0398   | U         | 0.0398   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 16:22 | 20      |
| m,p-Xylenes                 | 0.153     |           | 0.0797   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 16:22 | 20      |
| o-Xylene                    | 0.0746    |           | 0.0398   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 16:22 | 20      |
| Xylenes, Total              | 0.228     |           | 0.0797   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 16:22 | 20      |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 132       | S1+       | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 16:22 | 20      |
| 1,4-Difluorobenzene (Surr)  | 120       |           | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 16:22 | 20      |

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

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.274  |           | 0.0797 |     | mg/Kg |   |          | 07/26/25 16:22 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 07/26/25 02:41 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 02:41 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 02:41 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 02:41 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 111       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 02:41 | 1       |
| o-Terphenyl (Surr)                   | 100       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 02:41 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 142    |           | 10.0 |     | mg/Kg |   |          | 07/28/25 11:53 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH1 (5.0')

Lab Sample ID: 880-60777-5

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:40 | 07/26/25 14:40 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 14:40 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 14:40 | 1       |
| m,p-Xylenes    | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 14:40 | 1       |
| o-Xylene       | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 14:40 | 1       |
| Xylenes, Total | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 14:40 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 130       |           | 70 - 130 | 07/25/25 11:40 | 07/26/25 14:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 110       |           | 70 - 130 | 07/25/25 11:40 | 07/26/25 14:40 | 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 |   |          | 07/26/25 14:40 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 |     | mg/Kg |   |          | 07/26/25 02:57 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 02:57 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 02:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 02:57 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 97        |           | 70 - 130 | 07/25/25 15:17 | 07/26/25 02:57 | 1       |
| o-Terphenyl (Surr)    | 92        |           | 70 - 130 | 07/25/25 15:17 | 07/26/25 02:57 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 62.1   |           | 9.98 |     | mg/Kg |   |          | 07/28/25 11:59 | 1       |

Client Sample ID: BH1 (6.0')

Lab Sample ID: 880-60777-6

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/28/25 08:28 | 07/28/25 14:47 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 14:47 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 14:47 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 14:47 | 1       |
| o-Xylene       | 0.00285  |           | 0.00201 |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 14:47 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 14:47 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 180       | S1+       | 70 - 130 | 07/28/25 08:28 | 07/28/25 14:47 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 | 07/28/25 08:28 | 07/28/25 14:47 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH1 (6.0')

Lab Sample ID: 880-60777-6

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   |          | 07/28/25 14:47 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 57.1   |           | 50.3 |     | mg/Kg |   |          | 07/26/25 03:12 | 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 |   | 07/25/25 15:17 | 07/26/25 03:12 | 1       |
| Diesel Range Organics (Over C10-C28) | 57.1      |           | 50.3     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 03:12 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.3     | U         | 50.3     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 03:12 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 119       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 03:12 | 1       |
| o-Terphenyl (Surr)                   | 111       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 03:12 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 165    |           | 10.1 |     | mg/Kg |   |          | 07/28/25 12:16 | 1       |

Client Sample ID: BH1 (7.0')

Lab Sample ID: 880-60777-7

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.0399   | U         | 0.0399   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 17:03 | 20      |
| Toluene                     | 0.0421    |           | 0.0399   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 17:03 | 20      |
| Ethylbenzene                | <0.0399   | U         | 0.0399   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 17:03 | 20      |
| m,p-Xylenes                 | 0.110     |           | 0.0798   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 17:03 | 20      |
| o-Xylene                    | 0.0566    |           | 0.0399   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 17:03 | 20      |
| Xylenes, Total              | 0.167     |           | 0.0798   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 17:03 | 20      |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 132       | S1+       | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 17:03 | 20      |
| 1,4-Difluorobenzene (Surr)  | 121       |           | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 17:03 | 20      |

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

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.209  |           | 0.0798 |     | mg/Kg |   |          | 07/26/25 17:03 | 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 |   |          | 07/26/25 03:28 | 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 |   | 07/25/25 15:17 | 07/26/25 03:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 03:28 | 1       |

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH1 (7.0')

Lab Sample ID: 880-60777-7

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 15:17 | 07/26/25 03:28 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 115       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 03:28 | 1       |
| o-Terphenyl (Surr)                | 108       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 03:28 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 217    |           | 10.1 |     | mg/Kg |   |          | 07/28/25 12:21 | 1       |

Client Sample ID: BH1 (8.0')

Lab Sample ID: 880-60777-8

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:40 | 07/26/25 15:00 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:00 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:00 | 1       |
| m,p-Xylenes                 | <0.00400  | U         | 0.00400  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:00 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:00 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 15:00 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 130       |           | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 15:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 15:00 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 |     | mg/Kg |   |          | 07/26/25 15:00 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.4  | U         | 50.4 |     | mg/Kg |   |          | 07/26/25 03:44 | 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 | <50.4     | U         | 50.4     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 03:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.4     | U         | 50.4     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 03:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.4     | U         | 50.4     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 03:44 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 117       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 03:44 | 1       |
| o-Terphenyl (Surr)                   | 113       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 03:44 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 168    |           | 9.98 |     | mg/Kg |   |          | 07/28/25 12:27 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH1 (9.0')

Lab Sample ID: 880-60777-9

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:40 | 07/26/25 18:47 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 18:47 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 18:47 | 1       |
| m,p-Xylenes    | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 18:47 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 18:47 | 1       |
| Xylenes, Total | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 18:47 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 | 07/25/25 11:40 | 07/26/25 18:47 | 1       |
| 1,4-Difluorobenzene (Surr)  | 35        | S1-       | 70 - 130 | 07/25/25 11:40 | 07/26/25 18:47 | 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 |   |          | 07/26/25 18:47 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.5  | U         | 50.5 |     | mg/Kg |   |          | 07/26/25 04:00 | 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 | <50.5  | U         | 50.5 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 04:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.5  | U         | 50.5 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 04:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.5  | U         | 50.5 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 04:00 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 121       |           | 70 - 130 | 07/25/25 15:17 | 07/26/25 04:00 | 1       |
| o-Terphenyl (Surr)    | 115       |           | 70 - 130 | 07/25/25 15:17 | 07/26/25 04:00 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 80.2   |           | 10.1 |     | mg/Kg |   |          | 07/28/25 12:33 | 1       |

Client Sample ID: BH1 (10.0')

Lab Sample ID: 880-60777-10

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte        | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.0398 | U         | 0.0398 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 17:24 | 20      |
| Toluene        | 0.0498  |           | 0.0398 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 17:24 | 20      |
| Ethylbenzene   | <0.0398 | U         | 0.0398 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 17:24 | 20      |
| m,p-Xylenes    | 0.253   |           | 0.0797 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 17:24 | 20      |
| o-Xylene       | 0.0882  |           | 0.0398 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 17:24 | 20      |
| Xylenes, Total | 0.341   |           | 0.0797 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 17:24 | 20      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 138       | S1+       | 70 - 130 | 07/25/25 11:40 | 07/26/25 17:24 | 20      |
| 1,4-Difluorobenzene (Surr)  | 115       |           | 70 - 130 | 07/25/25 11:40 | 07/26/25 17:24 | 20      |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH1 (10.0')

Lab Sample ID: 880-60777-10

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.391  |           | 0.0797 |     | mg/Kg |   |          | 07/26/25 17:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 169    |           | 50.0 |     | mg/Kg |   |          | 07/26/25 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 |   | 07/25/25 15:17 | 07/26/25 04:15 | 1       |
| Diesel Range Organics (Over C10-C28) | 169       |           | 50.0     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 04:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 04:15 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 116       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 04:15 | 1       |
| o-Terphenyl (Surr)                   | 112       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 04:15 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 75.1   |           | 10.1 |     | mg/Kg |   |          | 07/28/25 12:38 | 1       |

Client Sample ID: BH1 (15.0')

Lab Sample ID: 880-60777-11

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:40 | 07/26/25 20:57 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 20:57 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 20:57 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 20:57 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 20:57 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 20:57 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 88        |           | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 20:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 20:57 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 07/26/25 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 |   |          | 07/26/25 04:48 | 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 |   | 07/25/25 15:17 | 07/26/25 04:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 04:48 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH1 (15.0')

Lab Sample ID: 880-60777-11

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 15:17 | 07/26/25 04:48 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 123       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 04:48 | 1       |
| o-Terphenyl (Surr)                | 116       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 04:48 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 22.6   |           | 9.98 |     | mg/Kg |   |          | 07/28/25 12:44 | 1       |

Client Sample ID: BH1 (20.0')

Lab Sample ID: 880-60777-12

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:40 | 07/26/25 21:18 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:18 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:18 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:18 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:18 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:18 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 21:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 21:18 | 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 |   |          | 07/26/25 21:18 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 07/26/25 05:05 | 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 |   | 07/25/25 15:17 | 07/26/25 05:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 05:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 05:05 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 106       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 05:05 | 1       |
| o-Terphenyl (Surr)                   | 102       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 05:05 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 16.3   |           | 10.1 |     | mg/Kg |   |          | 07/28/25 13:01 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH2 (0-1.0')

Lab Sample ID: 880-60777-13

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte        | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene        | 1.00   |           | 0.200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:00 | 100     |
| Toluene        | 1.31   |           | 0.200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:00 | 100     |
| Ethylbenzene   | 2.10   |           | 0.200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:00 | 100     |
| m,p-Xylenes    | 48.8   |           | 0.401 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:00 | 100     |
| o-Xylene       | 17.0   |           | 0.200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:00 | 100     |
| Xylenes, Total | 65.8   |           | 0.401 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:00 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 286       | S1+       | 70 - 130 | 07/25/25 11:40 | 07/26/25 23:00 | 100     |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 07/25/25 11:40 | 07/26/25 23:00 | 100     |

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

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 70.2   |           | 0.401 |     | mg/Kg |   |          | 07/26/25 23:00 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 6080   |           | 49.8 |     | mg/Kg |   |          | 07/26/25 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 | 1260   |           | 49.8 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 05:20 | 1       |
| Diesel Range Organics (Over C10-C28) | 4820   |           | 49.8 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 05:20 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 05:20 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 159       | S1+       | 70 - 130 | 07/25/25 15:17 | 07/26/25 05:20 | 1       |
| o-Terphenyl (Surr)    | 171       | S1+       | 70 - 130 | 07/25/25 15:17 | 07/26/25 05:20 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 39.2   |           | 10.0 |     | mg/Kg |   |          | 07/28/25 13:07 | 1       |

Client Sample ID: BH2 (2.0')

Lab Sample ID: 880-60777-14

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte        | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.0996 | U         | 0.0996 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:20 | 50      |
| Toluene        | 1.06    |           | 0.0996 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:20 | 50      |
| Ethylbenzene   | 0.639   |           | 0.0996 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:20 | 50      |
| m,p-Xylenes    | 4.38    |           | 0.199  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:20 | 50      |
| o-Xylene       | 1.10    |           | 0.0996 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:20 | 50      |
| Xylenes, Total | 5.48    |           | 0.199  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:20 | 50      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 140       | S1+       | 70 - 130 | 07/25/25 11:40 | 07/26/25 23:20 | 50      |
| 1,4-Difluorobenzene (Surr)  | 126       |           | 70 - 130 | 07/25/25 11:40 | 07/26/25 23:20 | 50      |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH2 (2.0')

Lab Sample ID: 880-60777-14

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 7.18   |           | 0.199 |     | mg/Kg |   |          | 07/26/25 23:20 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 5090   |           | 50.0 |     | mg/Kg |   |          | 07/26/25 05:37 | 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 | 606       |           | 50.0     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 05:37 | 1       |
| Diesel Range Organics (Over C10-C28) | 4480      |           | 50.0     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 05:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 05:37 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 153       | S1+       | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 05:37 | 1       |
| o-Terphenyl (Surr)                   | 170       | S1+       | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 05:37 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <9.96  | U         | 9.96 |     | mg/Kg |   |          | 07/28/25 13:24 | 1       |

Client Sample ID: BH2 (3.0')

Lab Sample ID: 880-60777-15

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.0398   | U         | 0.0398   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:41 | 20      |
| Toluene                     | <0.0398   | U         | 0.0398   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:41 | 20      |
| Ethylbenzene                | <0.0398   | U         | 0.0398   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:41 | 20      |
| m,p-Xylenes                 | 1.65      |           | 0.0797   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:41 | 20      |
| o-Xylene                    | 1.83      |           | 0.0398   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:41 | 20      |
| Xylenes, Total              | 3.48      |           | 0.0797   |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 23:41 | 20      |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 86        |           | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 23:41 | 20      |
| 1,4-Difluorobenzene (Surr)  | 125       |           | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 23:41 | 20      |

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

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 3.48   |           | 0.0797 |     | mg/Kg |   |          | 07/26/25 23:41 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 217    |           | 50.3 |     | mg/Kg |   |          | 07/26/25 05:53 | 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 |   | 07/25/25 15:17 | 07/26/25 05:53 | 1       |
| Diesel Range Organics (Over C10-C28) | 217    |           | 50.3 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 05:53 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH2 (3.0')

Lab Sample ID: 880-60777-15

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 15:17 | 07/26/25 05:53 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 106       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 05:53 | 1       |
| o-Terphenyl (Surr)                | 104       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 05:53 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 76.8   |           | 10.1 |     | mg/Kg |   |          | 07/28/25 13:29 | 1       |

Client Sample ID: BH2 (4.0')

Lab Sample ID: 880-60777-16

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:40 | 07/26/25 21:38 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:38 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:38 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:38 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:38 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:38 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 21:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 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 |   |          | 07/26/25 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 |   |          | 07/26/25 06:09 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1     | U         | 50.1     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 06:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1     | U         | 50.1     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 06:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1     | U         | 50.1     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 06:09 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 116       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 06:09 | 1       |
| o-Terphenyl (Surr)                   | 108       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 06:09 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.0  | U         | 10.0 |     | mg/Kg |   |          | 07/28/25 13:35 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH2 (5.0')

Lab Sample ID: 880-60777-17

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:40 | 07/26/25 21:58 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:58 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:58 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:58 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:58 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 21:58 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 83        |           | 70 - 130 | 07/25/25 11:40 | 07/26/25 21:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 07/25/25 11:40 | 07/26/25 21:58 | 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 |   |          | 07/26/25 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 | <50.2  | U         | 50.2 |     | mg/Kg |   |          | 07/26/25 06:25 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.2  | U         | 50.2 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 06:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.2  | U         | 50.2 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 06:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.2  | U         | 50.2 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 06:25 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 114       |           | 70 - 130 | 07/25/25 15:17 | 07/26/25 06:25 | 1       |
| o-Terphenyl (Surr)    | 105       |           | 70 - 130 | 07/25/25 15:17 | 07/26/25 06:25 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <9.94  | U         | 9.94 |     | mg/Kg |   |          | 07/28/25 13:41 | 1       |

Client Sample ID: BH2 (6.0')

Lab Sample ID: 880-60777-18

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:40 | 07/26/25 22:19 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 22:19 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 22:19 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 22:19 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 22:19 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 22:19 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 | 07/25/25 11:40 | 07/26/25 22:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 07/25/25 11:40 | 07/26/25 22:19 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH2 (6.0')

Lab Sample ID: 880-60777-18

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   |          | 07/26/25 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 |   |          | 07/26/25 06:40 | 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 | <50.1     | U         | 50.1     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 06:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1     | U         | 50.1     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 06:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1     | U         | 50.1     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 06:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 98        |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 06:40 | 1       |
| o-Terphenyl (Surr)                   | 97        |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 06:40 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 479    |           | 10.1 |     | mg/Kg |   |          | 07/28/25 13:46 | 1       |

Client Sample ID: BH2 (7.0')

Lab Sample ID: 880-60777-19

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:40 | 07/26/25 22:39 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 22:39 | 1       |
| Ethylbenzene                | 0.00358   |           | 0.00201  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 22:39 | 1       |
| m,p-Xylenes                 | 0.00742   |           | 0.00402  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 22:39 | 1       |
| o-Xylene                    | 0.00203   |           | 0.00201  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 22:39 | 1       |
| Xylenes, Total              | 0.00945   |           | 0.00402  |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 22:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 127       |           | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 22:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 133       | S1+       | 70 - 130 |     |       |   | 07/25/25 11:40 | 07/26/25 22:39 | 1       |

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

| Analyte    | Result | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.0130 |           | 0.00402 |     | mg/Kg |   |          | 07/26/25 22:39 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.4  | U         | 50.4 |     | mg/Kg |   |          | 07/26/25 06:56 | 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 | <50.4  | U         | 50.4 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 06:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.4  | U         | 50.4 |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 06:56 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH2 (7.0')

Lab Sample ID: 880-60777-19

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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) | <50.4     | U         | 50.4     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 06:56 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 98        |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 06:56 | 1       |
| o-Terphenyl (Surr)                | 98        |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 06:56 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 702    |           | 10.1 |     | mg/Kg |   |          | 07/28/25 13:52 | 1       |

Client Sample ID: BH2 (8.0')

Lab Sample ID: 880-60777-20

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | 0.0689    |           | 0.0399   |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:34 | 20      |
| Toluene                     | 0.0873    |           | 0.0399   |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:34 | 20      |
| Ethylbenzene                | 0.0441    |           | 0.0399   |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:34 | 20      |
| m,p-Xylenes                 | 0.631     |           | 0.0798   |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:34 | 20      |
| o-Xylene                    | 0.284     |           | 0.0399   |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:34 | 20      |
| Xylenes, Total              | 0.915     |           | 0.0798   |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:34 | 20      |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 129       |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 16:34 | 20      |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 16:34 | 20      |

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

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 1.12   |           | 0.0798 |     | mg/Kg |   |          | 07/26/25 16:34 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 252    |           | 49.9 |     | mg/Kg |   |          | 07/26/25 07:12 | 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 |   | 07/25/25 15:17 | 07/26/25 07:12 | 1       |
| Diesel Range Organics (Over C10-C28) | 252       |           | 49.9     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 07:12 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 07:12 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 94        |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 07:12 | 1       |
| o-Terphenyl (Surr)                   | 99        |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 07:12 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 212    |           | 9.98 |     | mg/Kg |   |          | 07/28/25 13:58 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH2 (9.0')

Lab Sample ID: 880-60777-21

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte        | Result | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene        | 0.0820 |           | 0.0399 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:55 | 20      |
| Toluene        | 0.141  |           | 0.0399 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:55 | 20      |
| Ethylbenzene   | 0.0594 |           | 0.0399 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:55 | 20      |
| m,p-Xylenes    | 1.14   |           | 0.0798 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:55 | 20      |
| o-Xylene       | 0.521  |           | 0.0399 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:55 | 20      |
| Xylenes, Total | 1.66   |           | 0.0798 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:55 | 20      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 147       | S1+       | 70 - 130 | 07/25/25 11:41 | 07/26/25 16:55 | 20      |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 16:55 | 20      |

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

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 1.94   |           | 0.0798 |     | mg/Kg |   |          | 07/26/25 16:55 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 287    |           | 49.8 |     | mg/Kg |   |          | 07/25/25 20:17 | 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 |   | 07/25/25 10:35 | 07/25/25 20:17 | 1       |
| Diesel Range Organics (Over C10-C28) | 287    |           | 49.8 |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 20:17 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 20:17 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 83        |           | 70 - 130 | 07/25/25 10:35 | 07/25/25 20:17 | 1       |
| o-Terphenyl (Surr)    | 78        |           | 70 - 130 | 07/25/25 10:35 | 07/25/25 20:17 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 215    | F1        | 9.92 |     | mg/Kg |   |          | 07/28/25 10:15 | 1       |

Client Sample ID: BH2 (10.0')

Lab Sample ID: 880-60777-22

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte        | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.0402 | U         | 0.0402 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:15 | 20      |
| Toluene        | <0.0402 | U         | 0.0402 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:15 | 20      |
| Ethylbenzene   | 0.131   |           | 0.0402 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:15 | 20      |
| m,p-Xylenes    | 0.276   |           | 0.0803 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:15 | 20      |
| o-Xylene       | 0.112   |           | 0.0402 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:15 | 20      |
| Xylenes, Total | 0.388   |           | 0.0803 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:15 | 20      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 122       |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 17:15 | 20      |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 17:15 | 20      |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH2 (10.0')

Lab Sample ID: 880-60777-22

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.519  |           | 0.0803 |     | mg/Kg |   |          | 07/26/25 17:15 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 216    |           | 49.8 |     | mg/Kg |   |          | 07/25/25 20:49 | 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 | <49.8     | U         | 49.8     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 20:49 | 1       |
| Diesel Range Organics (Over C10-C28) | 216       |           | 49.8     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 20:49 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 20:49 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 74        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 20:49 | 1       |
| o-Terphenyl (Surr)                   | 74        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 20:49 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 90.0   |           | 9.96 |     | mg/Kg |   |          | 07/28/25 10:38 | 1       |

Client Sample ID: BH2 (15.0')

Lab Sample ID: 880-60777-23

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:41 | 07/26/25 15:33 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:33 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:33 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:33 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:33 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:33 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 15:33 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 15:33 | 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 |   |          | 07/26/25 15:33 | 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 |   |          | 07/25/25 21:05 | 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 |   | 07/25/25 10:35 | 07/25/25 21:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 21:05 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH2 (15.0')

Lab Sample ID: 880-60777-23

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 10:35 | 07/25/25 21:05 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 84        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 21:05 | 1       |
| o-Terphenyl (Surr)                | 77        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 21:05 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 13.7   |           | 10.0 |     | mg/Kg |   |          | 07/28/25 10:46 | 1       |

Client Sample ID: BH2 (20.0')

Lab Sample ID: 880-60777-24

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:41 | 07/26/25 15:53 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:53 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:53 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:53 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:53 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:53 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 97        |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 15:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 15:53 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 07/26/25 15:53 | 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 |   |          | 07/25/25 21:21 | 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 | <50.0     | U         | 50.0     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 21:21 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 21:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 21:21 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 78        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 21:21 | 1       |
| o-Terphenyl (Surr)                   | 72        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 21:21 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 14.4   |           | 10.0 |     | mg/Kg |   |          | 07/28/25 10:54 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH3 (0-1.0')

Lab Sample ID: 880-60777-25

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte        | Result | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene        | 1.29   |           | 0.0396 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:36 | 20      |
| Toluene        | 12.5   |           | 1.01   |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 15:08 | 500     |
| Ethylbenzene   | 6.87   |           | 0.0396 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:36 | 20      |
| m,p-Xylenes    | 28.7   |           | 2.01   |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 15:08 | 500     |
| o-Xylene       | 11.7   |           | 1.01   |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 15:08 | 500     |
| Xylenes, Total | 40.4   |           | 2.01   |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 15:08 | 500     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 540       | S1+       | 70 - 130 | 07/25/25 11:41 | 07/26/25 17:36 | 20      |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 17:36 | 20      |

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

| Analyte    | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 61.1   |           | 2.01 |     | mg/Kg |   |          | 07/28/25 15:08 | 1       |

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

| Analyte   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Total TPH | 6930   |           | 249 |     | mg/Kg |   |          | 07/25/25 21:37 | 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 | 1310   |           | 249 |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 21:37 | 5       |
| Diesel Range Organics (Over C10-C28) | 5620   |           | 249 |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 21:37 | 5       |
| Oil Range Organics (Over C28-C36)    | <249   | U         | 249 |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 21:37 | 5       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 126       |           | 70 - 130 | 07/25/25 10:35 | 07/25/25 21:37 | 5       |
| o-Terphenyl (Surr)    | 146       | S1+       | 70 - 130 | 07/25/25 10:35 | 07/25/25 21:37 | 5       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <9.94  | U         | 9.94 |     | mg/Kg |   |          | 07/28/25 11:01 | 1       |

Client Sample ID: BH3 (2.0')

Lab Sample ID: 880-60777-26

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte        | Result | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene        | 0.0501 |           | 0.0398 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:56 | 20      |
| Toluene        | 0.389  |           | 0.0398 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:56 | 20      |
| Ethylbenzene   | 0.185  |           | 0.0398 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:56 | 20      |
| m,p-Xylenes    | 1.36   |           | 0.0795 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:56 | 20      |
| o-Xylene       | 0.573  |           | 0.0398 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:56 | 20      |
| Xylenes, Total | 1.93   |           | 0.0795 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 17:56 | 20      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 147       | S1+       | 70 - 130 | 07/25/25 11:41 | 07/26/25 17:56 | 20      |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 17:56 | 20      |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH3 (2.0')

Lab Sample ID: 880-60777-26

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 2.56   |           | 0.0795 |     | mg/Kg |   |          | 07/26/25 17:56 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 839    |           | 49.9 |     | mg/Kg |   |          | 07/25/25 21:53 | 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 | 93.2      |           | 49.9     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 21:53 | 1       |
| Diesel Range Organics (Over C10-C28) | 746       |           | 49.9     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 21:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 21:53 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 89        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 21:53 | 1       |
| o-Terphenyl (Surr)                   | 86        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 21:53 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.1  | U         | 10.1 |     | mg/Kg |   |          | 07/28/25 11:24 | 1       |

Client Sample ID: BH3 (3.0')

Lab Sample ID: 880-60777-27

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:41 | 07/26/25 16:14 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:14 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:14 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:14 | 1       |
| o-Xylene                    | 0.00293   |           | 0.00200  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:14 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 16:14 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 16:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 16:14 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 07/26/25 16:14 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 07/25/25 22:08 | 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 |   | 07/25/25 10:35 | 07/25/25 22:08 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 22:08 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH3 (3.0')

Lab Sample ID: 880-60777-27

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 10:35 | 07/25/25 22:08 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 87        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 22:08 | 1       |
| o-Terphenyl (Surr)                | 78        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 22:08 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.1  | U         | 10.1 |     | mg/Kg |   |          | 07/28/25 11:32 | 1       |

Client Sample ID: BH3 (4.0')

Lab Sample ID: 880-60777-28

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | 0.00229   |           | 0.00200  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 19:30 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 19:30 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 19:30 | 1       |
| m,p-Xylenes                 | <0.00400  | U         | 0.00400  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 19:30 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 19:30 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 19:30 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 19:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 19:30 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 |     | mg/Kg |   |          | 07/26/25 19:30 | 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 |   |          | 07/25/25 22:25 | 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 | <49.9     | U         | 49.9     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 22:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 22:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 22:25 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 82        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 22:25 | 1       |
| o-Terphenyl (Surr)                   | 71        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 22:25 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.0  | U         | 10.0 |     | mg/Kg |   |          | 07/28/25 11:40 | 1       |

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH3 (5.0')

Lab Sample ID: 880-60777-29

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:41 | 07/26/25 19:51 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 19:51 | 1       |
| Ethylbenzene   | 0.00227  |           | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 19:51 | 1       |
| m,p-Xylenes    | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 19:51 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 19:51 | 1       |
| Xylenes, Total | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 19:51 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 79        |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 19:51 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 19:51 | 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 |   |          | 07/26/25 19:51 | 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 |   |          | 07/25/25 22:40 | 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 | <50.0  | U         | 50.0 |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 22:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 22:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 22:40 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 72        |           | 70 - 130 | 07/25/25 10:35 | 07/25/25 22:40 | 1       |
| o-Terphenyl (Surr)    | 78        |           | 70 - 130 | 07/25/25 10:35 | 07/25/25 22:40 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <9.98  | U         | 9.98 |     | mg/Kg |   |          | 07/28/25 11:47 | 1       |

Client Sample ID: BH3 (6.0')

Lab Sample ID: 880-60777-30

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte        | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | 0.00406  |           | 0.00199 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:11 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:11 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:11 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:11 | 1       |
| o-Xylene       | 0.00368  |           | 0.00199 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:11 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:11 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 66        | S1-       | 70 - 130 | 07/25/25 11:41 | 07/26/25 20:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 20:11 | 1       |

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH3 (6.0')

Lab Sample ID: 880-60777-30

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

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

| Analyte    | Result  | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|---------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.00774 |           | 0.00398 |     | mg/Kg |   |          | 07/26/25 20:11 | 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 |   |          | 07/25/25 22:56 | 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 | <49.8     | U         | 49.8     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 22:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 22:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 22:56 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 86        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 22:56 | 1       |
| o-Terphenyl (Surr)                   | 78        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 22:56 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <9.92  | U         | 9.92 |     | mg/Kg |   |          | 07/28/25 11:55 | 1       |

Client Sample ID: BH3 (7.0')

Lab Sample ID: 880-60777-31

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:41 | 07/26/25 20:32 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:32 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:32 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:32 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:32 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:32 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 20:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 20:32 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 07/26/25 20:32 | 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 |   |          | 07/25/25 23:12 | 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 |   | 07/25/25 10:35 | 07/25/25 23:12 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 23:12 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH3 (7.0')

Lab Sample ID: 880-60777-31

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 10:35 | 07/25/25 23:12 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 89        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 23:12 | 1       |
| o-Terphenyl (Surr)                | 81        |           | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 23:12 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <9.94  | U         | 9.94 |     | mg/Kg |   |          | 07/28/25 12:02 | 1       |

Client Sample ID: BH3 (8.0')

Lab Sample ID: 880-60777-32

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:41 | 07/26/25 20:52 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:52 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:52 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:52 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:52 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 20:52 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 20:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |     |       |   | 07/25/25 11:41 | 07/26/25 20:52 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 07/26/25 20:52 | 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 |   |          | 07/26/25 09:06 | 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 | <50.2     | U         | 50.2     |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 09:06 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.2     | U         | 50.2     |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 09:06 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.2     | U         | 50.2     |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 09:06 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 87        |           | 70 - 130 |     |       |   | 07/25/25 15:21 | 07/26/25 09:06 | 1       |
| o-Terphenyl (Surr)                   | 79        |           | 70 - 130 |     |       |   | 07/25/25 15:21 | 07/26/25 09:06 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.0  | U         | 10.0 |     | mg/Kg |   |          | 07/28/25 12:25 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH3 (9.0')

Lab Sample ID: 880-60777-33

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:41 | 07/26/25 21:13 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 21:13 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 21:13 | 1       |
| m,p-Xylenes    | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 21:13 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 21:13 | 1       |
| Xylenes, Total | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 21:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 21:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 21:13 | 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 |   |          | 07/26/25 21:13 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.3  | U         | 50.3 |     | mg/Kg |   |          | 07/26/25 09:55 | 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 | <50.3  | U         | 50.3 |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 09:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.3  | U         | 50.3 |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 09:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.3  | U         | 50.3 |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 09:55 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 85        |           | 70 - 130 | 07/25/25 15:21 | 07/26/25 09:55 | 1       |
| o-Terphenyl (Surr)    | 77        |           | 70 - 130 | 07/25/25 15:21 | 07/26/25 09:55 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.0  | U         | 10.0 |     | mg/Kg |   |          | 07/28/25 12:33 | 1       |

Client Sample ID: BH3 (10.0')

Lab Sample ID: 880-60777-34

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/26/25 11:49 | 07/26/25 17:06 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:06 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:06 | 1       |
| m,p-Xylenes    | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:06 | 1       |
| o-Xylene       | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:06 | 1       |
| Xylenes, Total | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:06 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 | 07/26/25 11:49 | 07/26/25 17:06 | 1       |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 | 07/26/25 11:49 | 07/26/25 17:06 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH3 (10.0')

Lab Sample ID: 880-60777-34

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   |          | 07/26/25 17:06 | 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 |   |          | 07/26/25 10:11 | 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 | <50.1     | U         | 50.1     |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 10:11 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1     | U         | 50.1     |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 10:11 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1     | U         | 50.1     |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 10:11 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 75        |           | 70 - 130 |     |       |   | 07/25/25 15:21 | 07/26/25 10:11 | 1       |
| o-Terphenyl (Surr)                   | 72        |           | 70 - 130 |     |       |   | 07/25/25 15:21 | 07/26/25 10:11 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <9.96  | U         | 9.96 |     | mg/Kg |   |          | 07/28/25 12:56 | 1       |

Client Sample ID: BH3 (15.0')

Lab Sample ID: 880-60777-35

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/26/25 11:49 | 07/26/25 17:26 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:26 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:26 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:26 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:26 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:26 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 |     |       |   | 07/26/25 11:49 | 07/26/25 17:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |     |       |   | 07/26/25 11:49 | 07/26/25 17:26 | 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 |   |          | 07/26/25 17:26 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.4  | U         | 50.4 |     | mg/Kg |   |          | 07/26/25 10:27 | 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 | <50.4  | U         | 50.4 |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 10:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.4  | U         | 50.4 |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 10:27 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH3 (15.0')

Lab Sample ID: 880-60777-35

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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) | <50.4     | U         | 50.4     |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 10:27 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 87        |           | 70 - 130 |     |       |   | 07/25/25 15:21 | 07/26/25 10:27 | 1       |
| o-Terphenyl (Surr)                | 80        |           | 70 - 130 |     |       |   | 07/25/25 15:21 | 07/26/25 10:27 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <9.94  | U         | 9.94 |     | mg/Kg |   |          | 07/28/25 13:04 | 1       |

Client Sample ID: BH3 (20.0')

Lab Sample ID: 880-60777-36

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/26/25 11:49 | 07/26/25 17:47 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:47 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:47 | 1       |
| m,p-Xylenes                 | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:47 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:47 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 17:47 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 |     |       |   | 07/26/25 11:49 | 07/26/25 17:47 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 |     |       |   | 07/26/25 11:49 | 07/26/25 17:47 | 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 |   |          | 07/26/25 17:47 | 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 |   |          | 07/26/25 10:43 | 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 | <49.6     | U         | 49.6     |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 10:43 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.6     | U         | 49.6     |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 10:43 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.6     | U         | 49.6     |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 10:43 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 86        |           | 70 - 130 |     |       |   | 07/25/25 15:21 | 07/26/25 10:43 | 1       |
| o-Terphenyl (Surr)                   | 78        |           | 70 - 130 |     |       |   | 07/25/25 15:21 | 07/26/25 10:43 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.1  | U         | 10.1 |     | mg/Kg |   |          | 07/29/25 10:12 | 1       |

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |
|---------------------|------------------------|------------------------------------------------|-------------------|
|                     |                        | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-60775-A-1-A MS  | Matrix Spike           | 130                                            | 105               |
| 880-60775-A-1-B MSD | Matrix Spike Duplicate | 117                                            | 97                |
| 880-60776-A-1-A MS  | Matrix Spike           | 94                                             | 110               |
| 880-60776-A-1-B MSD | Matrix Spike Duplicate | 99                                             | 108               |
| 880-60777-1         | BH1 (0-1.0')           | 198 S1+                                        | 107               |
| 880-60777-2         | BH1 (2.0')             | 118                                            | 119               |
| 880-60777-3         | BH1 (3.0')             | 195 S1+                                        | 89                |
| 880-60777-4         | BH1 (4.0')             | 132 S1+                                        | 120               |
| 880-60777-5         | BH1 (5.0')             | 130                                            | 110               |
| 880-60777-6         | BH1 (6.0')             | 180 S1+                                        | 90                |
| 880-60777-7         | BH1 (7.0')             | 132 S1+                                        | 121               |
| 880-60777-8         | BH1 (8.0')             | 130                                            | 108               |
| 880-60777-9         | BH1 (9.0')             | 99                                             | 35 S1-            |
| 880-60777-10        | BH1 (10.0')            | 138 S1+                                        | 115               |
| 880-60777-11        | BH1 (15.0')            | 88                                             | 96                |
| 880-60777-12        | BH1 (20.0')            | 90                                             | 95                |
| 880-60777-13        | BH2 (0-1.0')           | 286 S1+                                        | 100               |
| 880-60777-14        | BH2 (2.0')             | 140 S1+                                        | 126               |
| 880-60777-15        | BH2 (3.0')             | 86                                             | 125               |
| 880-60777-16        | BH2 (4.0')             | 91                                             | 98                |
| 880-60777-17        | BH2 (5.0')             | 83                                             | 93                |
| 880-60777-18        | BH2 (6.0')             | 90                                             | 96                |
| 880-60777-19        | BH2 (7.0')             | 127                                            | 133 S1+           |
| 880-60777-20        | BH2 (8.0')             | 129                                            | 87                |
| 880-60777-21        | BH2 (9.0')             | 147 S1+                                        | 88                |
| 880-60777-22        | BH2 (10.0')            | 122                                            | 83                |
| 880-60777-23        | BH2 (15.0')            | 96                                             | 95                |
| 880-60777-24        | BH2 (20.0')            | 97                                             | 97                |
| 880-60777-25        | BH3 (0-1.0')           | 540 S1+                                        | 93                |
| 880-60777-26        | BH3 (2.0')             | 147 S1+                                        | 86                |
| 880-60777-27        | BH3 (3.0')             | 104                                            | 92                |
| 880-60777-28        | BH3 (4.0')             | 94                                             | 87                |
| 880-60777-29        | BH3 (5.0')             | 79                                             | 102               |
| 880-60777-30        | BH3 (6.0')             | 66 S1-                                         | 98                |
| 880-60777-31        | BH3 (7.0')             | 100                                            | 94                |
| 880-60777-32        | BH3 (8.0')             | 96                                             | 92                |
| 880-60777-33        | BH3 (9.0')             | 102                                            | 95                |
| 880-60777-34        | BH3 (10.0')            | 95                                             | 84                |
| 880-60777-35        | BH3 (15.0')            | 93                                             | 102               |
| 880-60777-36        | BH3 (20.0')            | 103                                            | 87                |
| 890-8508-A-1-E MS   | Matrix Spike           | 114                                            | 105               |
| 890-8508-A-1-F MSD  | Matrix Spike Duplicate | 105                                            | 99                |
| 890-8509-A-1-A MS   | Matrix Spike           | 99                                             | 103               |
| 890-8509-A-1-B MSD  | Matrix Spike Duplicate | 104                                            | 103               |
| LCS 880-115039/1-A  | Lab Control Sample     | 111                                            | 97                |
| LCS 880-115040/1-A  | Lab Control Sample     | 91                                             | 105               |
| LCS 880-115079/1-A  | Lab Control Sample     | 102                                            | 102               |
| LCS 880-115091/1-A  | Lab Control Sample     | 100                                            | 103               |
| LCSD 880-115039/2-A | Lab Control Sample Dup | 114                                            | 96                |

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## 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) |
| LCSD 880-115040/2-A               | Lab Control Sample Dup | 102                                            | 109               |
| LCSD 880-115079/2-A               | Lab Control Sample Dup | 114                                            | 107               |
| LCSD 880-115091/2-A               | Lab Control Sample Dup | 101                                            | 101               |
| MB 880-115039/5-A                 | Method Blank           | 113                                            | 104               |
| MB 880-115040/5-A                 | Method Blank           | 99                                             | 97                |
| MB 880-115079/5-A                 | Method Blank           | 88                                             | 97                |
| MB 880-115091/5-A                 | Method Blank           | 99                                             | 94                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

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

Matrix: Solid

Prep Type: Total/NA

|                     |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|---------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID       | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-60774-A-7-C MS  | Matrix Spike           | 69 S1-                                         | 68 S1-            |
| 880-60774-A-7-D MSD | Matrix Spike Duplicate | 95                                             | 76                |
| 880-60777-1         | BH1 (0-1.0')           | 116                                            | 137 S1+           |
| 880-60777-1 MS      | BH1 (0-1.0')           | 92                                             | 125               |
| 880-60777-1 MSD     | BH1 (0-1.0')           | 94                                             | 129               |
| 880-60777-2         | BH1 (2.0')             | 98                                             | 99                |
| 880-60777-3         | BH1 (3.0')             | 108                                            | 104               |
| 880-60777-4         | BH1 (4.0')             | 111                                            | 100               |
| 880-60777-5         | BH1 (5.0')             | 97                                             | 92                |
| 880-60777-6         | BH1 (6.0')             | 119                                            | 111               |
| 880-60777-7         | BH1 (7.0')             | 115                                            | 108               |
| 880-60777-8         | BH1 (8.0')             | 117                                            | 113               |
| 880-60777-9         | BH1 (9.0')             | 121                                            | 115               |
| 880-60777-10        | BH1 (10.0')            | 116                                            | 112               |
| 880-60777-11        | BH1 (15.0')            | 123                                            | 116               |
| 880-60777-12        | BH1 (20.0')            | 106                                            | 102               |
| 880-60777-13        | BH2 (0-1.0')           | 159 S1+                                        | 171 S1+           |
| 880-60777-14        | BH2 (2.0')             | 153 S1+                                        | 170 S1+           |
| 880-60777-15        | BH2 (3.0')             | 106                                            | 104               |
| 880-60777-16        | BH2 (4.0')             | 116                                            | 108               |
| 880-60777-17        | BH2 (5.0')             | 114                                            | 105               |
| 880-60777-18        | BH2 (6.0')             | 98                                             | 97                |
| 880-60777-19        | BH2 (7.0')             | 98                                             | 98                |
| 880-60777-20        | BH2 (8.0')             | 94                                             | 99                |
| 880-60777-21        | BH2 (9.0')             | 83                                             | 78                |
| 880-60777-22        | BH2 (10.0')            | 74                                             | 74                |
| 880-60777-23        | BH2 (15.0')            | 84                                             | 77                |
| 880-60777-24        | BH2 (20.0')            | 78                                             | 72                |
| 880-60777-25        | BH3 (0-1.0')           | 126                                            | 146 S1+           |
| 880-60777-26        | BH3 (2.0')             | 89                                             | 86                |
| 880-60777-27        | BH3 (3.0')             | 87                                             | 78                |
| 880-60777-28        | BH3 (4.0')             | 82                                             | 71                |
| 880-60777-29        | BH3 (5.0')             | 72                                             | 78                |

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## 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) |
| 880-60777-30        | BH3 (6.0')             | 86                                             | 78                |
| 880-60777-31        | BH3 (7.0')             | 89                                             | 81                |
| 880-60777-32        | BH3 (8.0')             | 87                                             | 79                |
| 880-60777-32 MS     | BH3 (8.0')             | 86                                             | 74                |
| 880-60777-32 MSD    | BH3 (8.0')             | 72                                             | 77                |
| 880-60777-33        | BH3 (9.0')             | 85                                             | 77                |
| 880-60777-34        | BH3 (10.0')            | 75                                             | 72                |
| 880-60777-35        | BH3 (15.0')            | 87                                             | 80                |
| 880-60777-36        | BH3 (20.0')            | 86                                             | 78                |
| LCS 880-115025/2-A  | Lab Control Sample     | 91                                             | 94                |
| LCS 880-115055/2-A  | Lab Control Sample     | 109                                            | 117               |
| LCS 880-115057/2-A  | Lab Control Sample     | 105                                            | 107               |
| LCSD 880-115025/3-A | Lab Control Sample Dup | 109                                            | 107               |
| LCSD 880-115055/3-A | Lab Control Sample Dup | 129                                            | 114               |
| LCSD 880-115057/3-A | Lab Control Sample Dup | 94                                             | 96                |
| MB 880-115025/1-A   | Method Blank           | 114                                            | 106               |
| MB 880-115055/1-A   | Method Blank           | 109                                            | 104               |
| MB 880-115057/1-A   | Method Blank           | 113                                            | 109               |

## Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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

Lab Sample ID: MB 880-115039/5-A

Matrix: Solid

Analysis Batch: 115076

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115039

| Analyte        | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 13:58 | 1       |
| Toluene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 13:58 | 1       |
| Ethylbenzene   | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 13:58 | 1       |
| m,p-Xylenes    | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 13:58 | 1       |
| o-Xylene       | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 13:58 | 1       |
| Xylenes, Total | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 07/25/25 11:40 | 07/26/25 13:58 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 113             |                 | 70 - 130 | 07/25/25 11:40 | 07/26/25 13:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104             |                 | 70 - 130 | 07/25/25 11:40 | 07/26/25 13:58 | 1       |

Lab Sample ID: LCS 880-115039/1-A

Matrix: Solid

Analysis Batch: 115076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115039

| Analyte      | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene      | 0.100          | 0.1080        |                  | mg/Kg |   | 108  | 70 - 130       |
| Toluene      | 0.100          | 0.1033        |                  | mg/Kg |   | 103  | 70 - 130       |
| Ethylbenzene | 0.100          | 0.1038        |                  | mg/Kg |   | 104  | 70 - 130       |
| m,p-Xylenes  | 0.200          | 0.2070        |                  | mg/Kg |   | 103  | 70 - 130       |
| o-Xylene     | 0.100          | 0.1089        |                  | mg/Kg |   | 109  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 111              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-115039/2-A

Matrix: Solid

Analysis Batch: 115076

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115039

| Analyte      | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene      | 0.100          | 0.1107         |                   | mg/Kg |   | 111  | 70 - 130       | 2   | 35           |
| Toluene      | 0.100          | 0.1080         |                   | mg/Kg |   | 108  | 70 - 130       | 4   | 35           |
| Ethylbenzene | 0.100          | 0.1103         |                   | mg/Kg |   | 110  | 70 - 130       | 6   | 35           |
| m,p-Xylenes  | 0.200          | 0.2222         |                   | mg/Kg |   | 111  | 70 - 130       | 7   | 35           |
| o-Xylene     | 0.100          | 0.1157         |                   | mg/Kg |   | 116  | 70 - 130       | 6   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 114               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96                |                   | 70 - 130 |

Lab Sample ID: 880-60775-A-1-A MS

Matrix: Solid

Analysis Batch: 115076

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115039

| 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 F1                | 0.100          | 0.06634      | F1              | mg/Kg |   | 66   | 70 - 130       |
| Toluene | <0.00200         | U F1                | 0.100          | 0.06350      | F1              | mg/Kg |   | 63   | 70 - 130       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-60775-A-1-A MS

Matrix: Solid

Analysis Batch: 115076

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115039

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.07204   |              | mg/Kg |   | 72   | 70 - 130    |
| m,p-Xylenes  | <0.00401      | U                | 0.200       | 0.1450    |              | mg/Kg |   | 72   | 70 - 130    |
| o-Xylene     | <0.00200      | U                | 0.100       | 0.07480   |              | mg/Kg |   | 75   | 70 - 130    |

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

Lab Sample ID: 880-60775-A-1-B MSD

Matrix: Solid

Analysis Batch: 115076

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115039

| 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       | 0.08740    |               | mg/Kg |   | 87   | 70 - 130    | 27  | 35        |
| Toluene      | <0.00200      | U F1             | 0.100       | 0.08415    |               | mg/Kg |   | 84   | 70 - 130    | 28  | 35        |
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.08451    |               | mg/Kg |   | 85   | 70 - 130    | 16  | 35        |
| m,p-Xylenes  | <0.00401      | U                | 0.200       | 0.1712     |               | mg/Kg |   | 86   | 70 - 130    | 17  | 35        |
| o-Xylene     | <0.00200      | U                | 0.100       | 0.08987    |               | mg/Kg |   | 90   | 70 - 130    | 18  | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 117           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97            |               | 70 - 130 |

Lab Sample ID: MB 880-115040/5-A

Matrix: Solid

Analysis Batch: 115077

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115040

| Analyte        | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:30 | 1       |
| Toluene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:30 | 1       |
| Ethylbenzene   | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:30 | 1       |
| m,p-Xylenes    | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:30 | 1       |
| o-Xylene       | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:30 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:30 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99           |              | 70 - 130 | 07/25/25 11:41 | 07/26/25 14:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97           |              | 70 - 130 | 07/25/25 11:41 | 07/26/25 14:30 | 1       |

Lab Sample ID: LCS 880-115040/1-A

Matrix: Solid

Analysis Batch: 115077

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115040

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene      | 0.100       | 0.08901    |               | mg/Kg |   | 89   | 70 - 130    |
| Toluene      | 0.100       | 0.08070    |               | mg/Kg |   | 81   | 70 - 130    |
| Ethylbenzene | 0.100       | 0.08415    |               | mg/Kg |   | 84   | 70 - 130    |
| m,p-Xylenes  | 0.200       | 0.1655     |               | mg/Kg |   | 83   | 70 - 130    |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-115040/1-A

Matrix: Solid

Analysis Batch: 115077

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115040

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| o-Xylene | 0.100       | 0.08490    |               | mg/Kg |   | 85   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 91            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 105           |               | 70 - 130 |

Lab Sample ID: LCSD 880-115040/2-A

Matrix: Solid

Analysis Batch: 115077

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115040

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene      | 0.100       | 0.1058      |                | mg/Kg |   | 106  | 70 - 130    | 17  | 35        |
| Toluene      | 0.100       | 0.09647     |                | mg/Kg |   | 96   | 70 - 130    | 18  | 35        |
| Ethylbenzene | 0.100       | 0.1050      |                | mg/Kg |   | 105  | 70 - 130    | 22  | 35        |
| m,p-Xylenes  | 0.200       | 0.2089      |                | mg/Kg |   | 104  | 70 - 130    | 23  | 35        |
| o-Xylene     | 0.100       | 0.1038      |                | mg/Kg |   | 104  | 70 - 130    | 20  | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 102            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109            |                | 70 - 130 |

Lab Sample ID: 880-60776-A-1-A MS

Matrix: Solid

Analysis Batch: 115077

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115040

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene      | <0.00199      | U                | 0.100       | 0.09495   |              | mg/Kg |   | 95   | 70 - 130    |
| Toluene      | <0.00199      | U                | 0.100       | 0.08369   |              | mg/Kg |   | 84   | 70 - 130    |
| Ethylbenzene | <0.00199      | U                | 0.100       | 0.09016   |              | mg/Kg |   | 90   | 70 - 130    |
| m,p-Xylenes  | <0.00398      | U                | 0.200       | 0.1777    |              | mg/Kg |   | 89   | 70 - 130    |
| o-Xylene     | <0.00199      | U                | 0.100       | 0.08617   |              | mg/Kg |   | 86   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 94           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 110          |              | 70 - 130 |

Lab Sample ID: 880-60776-A-1-B MSD

Matrix: Solid

Analysis Batch: 115077

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115040

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene      | <0.00199      | U                | 0.100       | 0.08503    |               | mg/Kg |   | 85   | 70 - 130    | 11  | 35        |
| Toluene      | <0.00199      | U                | 0.100       | 0.07707    |               | mg/Kg |   | 77   | 70 - 130    | 8   | 35        |
| Ethylbenzene | <0.00199      | U                | 0.100       | 0.08428    |               | mg/Kg |   | 84   | 70 - 130    | 7   | 35        |
| m,p-Xylenes  | <0.00398      | U                | 0.200       | 0.1662     |               | mg/Kg |   | 83   | 70 - 130    | 7   | 35        |
| o-Xylene     | <0.00199      | U                | 0.100       | 0.08186    |               | mg/Kg |   | 82   | 70 - 130    | 5   | 35        |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-60776-A-1-B MSD

Matrix: Solid

Analysis Batch: 115077

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115040

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |

Lab Sample ID: MB 880-115079/5-A

Matrix: Solid

Analysis Batch: 115078

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115079

| Analyte        | MB       | MB        |         |     |       |   |                |                |     |     |
|----------------|----------|-----------|---------|-----|-------|---|----------------|----------------|-----|-----|
|                | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil | Fac |
| Benzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 14:20 | 1   |     |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 14:20 | 1   |     |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 14:20 | 1   |     |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 14:20 | 1   |     |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 14:20 | 1   |     |
| Xylenes, Total | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 07/26/25 11:49 | 07/26/25 14:20 | 1   |     |

|                             | MB        | MB        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 88        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |

|                             | Prepared       | Analyzed       | Dil | Fac |
|-----------------------------|----------------|----------------|-----|-----|
| 4-Bromofluorobenzene (Surr) | 07/26/25 11:49 | 07/26/25 14:20 | 1   |     |
| 1,4-Difluorobenzene (Surr)  | 07/26/25 11:49 | 07/26/25 14:20 | 1   |     |

Lab Sample ID: LCS 880-115079/1-A

Matrix: Solid

Analysis Batch: 115078

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115079

| Analyte      | Spike | LCS     | LCS       |       |   |      |          | %Rec |  |  |
|--------------|-------|---------|-----------|-------|---|------|----------|------|--|--|
|              | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |      |  |  |
| Benzene      | 0.100 | 0.08525 |           | mg/Kg |   | 85   | 70 - 130 |      |  |  |
| Toluene      | 0.100 | 0.08989 |           | mg/Kg |   | 90   | 70 - 130 |      |  |  |
| Ethylbenzene | 0.100 | 0.09517 |           | mg/Kg |   | 95   | 70 - 130 |      |  |  |
| m,p-Xylenes  | 0.200 | 0.2049  |           | mg/Kg |   | 102  | 70 - 130 |      |  |  |
| o-Xylene     | 0.100 | 0.09452 |           | mg/Kg |   | 95   | 70 - 130 |      |  |  |

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

Lab Sample ID: LCSD 880-115079/2-A

Matrix: Solid

Analysis Batch: 115078

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115079

| Analyte      | Spike | LCSD    | LCSD      |       |   |      |          | %Rec |       | RPD |
|--------------|-------|---------|-----------|-------|---|------|----------|------|-------|-----|
|              | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   | RPD  | Limit |     |
| Benzene      | 0.100 | 0.09664 |           | mg/Kg |   | 97   | 70 - 130 | 13   | 35    |     |
| Toluene      | 0.100 | 0.09180 |           | mg/Kg |   | 92   | 70 - 130 | 2    | 35    |     |
| Ethylbenzene | 0.100 | 0.09476 |           | mg/Kg |   | 95   | 70 - 130 | 0    | 35    |     |
| m,p-Xylenes  | 0.200 | 0.2261  |           | mg/Kg |   | 113  | 70 - 130 | 10   | 35    |     |
| o-Xylene     | 0.100 | 0.1033  |           | mg/Kg |   | 103  | 70 - 130 | 9    | 35    |     |

|                             | LCSD      | LCSD      |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-115079/2-A

Matrix: Solid

Analysis Batch: 115078

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115079

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

Lab Sample ID: 890-8508-A-1-E MS

Matrix: Solid

Analysis Batch: 115078

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115079

|              | Sample   | Sample    | Spike  | MS      | MS        |       |   |      | %Rec     |  |
|--------------|----------|-----------|--------|---------|-----------|-------|---|------|----------|--|
| Analyte      | Result   | Qualifier | Added  | Result  | Qualifier | Unit  | D | %Rec | Limits   |  |
| Benzene      | <0.00199 | U         | 0.0992 | 0.09666 |           | mg/Kg |   | 97   | 70 - 130 |  |
| Toluene      | <0.00199 | U         | 0.0992 | 0.09150 |           | mg/Kg |   | 92   | 70 - 130 |  |
| Ethylbenzene | <0.00199 | U         | 0.0992 | 0.08083 |           | mg/Kg |   | 81   | 70 - 130 |  |
| m,p-Xylenes  | <0.00398 | U         | 0.198  | 0.1862  |           | mg/Kg |   | 94   | 70 - 130 |  |
| o-Xylene     | <0.00199 | U         | 0.0992 | 0.1116  |           | mg/Kg |   | 112  | 70 - 130 |  |

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 |

Lab Sample ID: 890-8508-A-1-F MSD

Matrix: Solid

Analysis Batch: 115078

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115079

|              | Sample   | Sample    | Spike | MSD     | MSD       |       |   |      | %Rec     |     | RPD   |  |
|--------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte      | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |  |
| Benzene      | <0.00199 | U         | 0.100 | 0.09758 |           | mg/Kg |   | 97   | 70 - 130 | 1   | 35    |  |
| Toluene      | <0.00199 | U         | 0.100 | 0.09663 |           | mg/Kg |   | 96   | 70 - 130 | 5   | 35    |  |
| Ethylbenzene | <0.00199 | U         | 0.100 | 0.1084  |           | mg/Kg |   | 108  | 70 - 130 | 29  | 35    |  |
| m,p-Xylenes  | <0.00398 | U         | 0.200 | 0.2349  |           | mg/Kg |   | 117  | 70 - 130 | 23  | 35    |  |
| o-Xylene     | <0.00199 | U         | 0.100 | 0.1088  |           | mg/Kg |   | 109  | 70 - 130 | 2   | 35    |  |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |

Lab Sample ID: MB 880-115091/5-A

Matrix: Solid

Analysis Batch: 115088

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115091

|                | MB       | MB        |         |     |       |   |                |                |         |  |
|----------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|--|
| Analyte        | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Benzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 11:42 | 1       |  |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 11:42 | 1       |  |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 11:42 | 1       |  |
| m,p-Xylenes    | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 11:42 | 1       |  |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 11:42 | 1       |  |
| Xylenes, Total | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 07/28/25 08:28 | 07/28/25 11:42 | 1       |  |

|                             | MB        | MB        |          |                |                |         |  |  |  |  |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|--|--|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |  |  |  |  |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 | 07/28/25 08:28 | 07/28/25 11:42 | 1       |  |  |  |  |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 07/28/25 08:28 | 07/28/25 11:42 | 1       |  |  |  |  |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-115091/1-A

Matrix: Solid

Analysis Batch: 115088

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115091

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene      | 0.100       | 0.09799    |               | mg/Kg |   | 98   | 70 - 130    |
| Toluene      | 0.100       | 0.09309    |               | mg/Kg |   | 93   | 70 - 130    |
| Ethylbenzene | 0.100       | 0.1052     |               | mg/Kg |   | 105  | 70 - 130    |
| m,p-Xylenes  | 0.200       | 0.2086     |               | mg/Kg |   | 104  | 70 - 130    |
| o-Xylene     | 0.100       | 0.1036     |               | mg/Kg |   | 104  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 100           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 103           |               | 70 - 130 |

Lab Sample ID: LCSD 880-115091/2-A

Matrix: Solid

Analysis Batch: 115088

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115091

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene      | 0.100       | 0.1018      |                | mg/Kg |   | 102  | 70 - 130    | 4   | 35        |
| Toluene      | 0.100       | 0.09544     |                | mg/Kg |   | 95   | 70 - 130    | 2   | 35        |
| Ethylbenzene | 0.100       | 0.1076      |                | mg/Kg |   | 108  | 70 - 130    | 2   | 35        |
| m,p-Xylenes  | 0.200       | 0.2129      |                | mg/Kg |   | 106  | 70 - 130    | 2   | 35        |
| o-Xylene     | 0.100       | 0.1052      |                | mg/Kg |   | 105  | 70 - 130    | 2   | 35        |

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

Lab Sample ID: 890-8509-A-1-A MS

Matrix: Solid

Analysis Batch: 115088

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115091

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene      | <0.00200      | U                | 0.100       | 0.09130   |              | mg/Kg |   | 91   | 70 - 130    |
| Toluene      | <0.00200      | U                | 0.100       | 0.08367   |              | mg/Kg |   | 84   | 70 - 130    |
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.09198   |              | mg/Kg |   | 92   | 70 - 130    |
| m,p-Xylenes  | <0.00400      | U                | 0.200       | 0.1816    |              | mg/Kg |   | 91   | 70 - 130    |
| o-Xylene     | <0.00200      | U                | 0.100       | 0.08955   |              | mg/Kg |   | 90   | 70 - 130    |

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

Lab Sample ID: 890-8509-A-1-B MSD

Matrix: Solid

Analysis Batch: 115088

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115091

| 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       | 0.08782    |               | mg/Kg |   | 88   | 70 - 130    | 4   | 35        |
| Toluene      | <0.00200      | U                | 0.100       | 0.08257    |               | mg/Kg |   | 83   | 70 - 130    | 1   | 35        |
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.09106    |               | mg/Kg |   | 91   | 70 - 130    | 1   | 35        |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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

Lab Sample ID: 890-8509-A-1-B MSD

Matrix: Solid

Analysis Batch: 115088

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115091

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| m,p-Xylenes                 | <0.00400      | U                | 0.200       | 0.1799     |               | mg/Kg |   | 90   | 70 - 130    | 1   | 35        |
| o-Xylene                    | <0.00200      | U                | 0.100       | 0.08822    |               | mg/Kg |   | 88   | 70 - 130    | 1   | 35        |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 104           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 103           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

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

Lab Sample ID: MB 880-115025/1-A

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115025

| 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 |   | 07/25/25 10:35 | 07/25/25 16:29 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 16:29 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     |     | mg/Kg |   | 07/25/25 10:35 | 07/25/25 16:29 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 114          |              | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 16:29 | 1       |
| o-Terphenyl (Surr)                   | 106          |              | 70 - 130 |     |       |   | 07/25/25 10:35 | 07/25/25 16:29 | 1       |

Lab Sample ID: LCS 880-115025/2-A

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115025

| Analyte                              | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|--------------------------------------|---------------|---------------|---------------|-------|---|------|-------------|--|--|
| Gasoline Range Organics (GRO)-C6-C10 | 1000          | 851.4         |               | mg/Kg |   | 85   | 70 - 130    |  |  |
| Diesel Range Organics (Over C10-C28) | 1000          | 960.2         |               | mg/Kg |   | 96   | 70 - 130    |  |  |
| Surrogate                            | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |             |  |  |
| 1-Chlorooctane (Surr)                | 91            |               | 70 - 130      |       |   |      |             |  |  |
| o-Terphenyl (Surr)                   | 94            |               | 70 - 130      |       |   |      |             |  |  |

Lab Sample ID: LCSD 880-115025/3-A

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115025

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1036        |                | mg/Kg |   | 104  | 70 - 130    | 20  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1088        |                | mg/Kg |   | 109  | 70 - 130    | 12  | 20        |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-115025/3-A

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115025

|                       | LCSD      | LCSD      |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 109       |           | 70 - 130 |
| o-Terphenyl (Surr)    | 107       |           | 70 - 130 |

Lab Sample ID: 880-60774-A-7-C MS

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115025

|                                      | Sample    | Sample    | Spike    | MS     | MS        |       |   |      | %Rec     |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|--|
| Analyte                              | Result    | Qualifier | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 998      | 723.3  |           | mg/Kg |   | 72   | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 998      | 752.8  |           | mg/Kg |   | 75   | 70 - 130 |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |  |
| 1-Chlorooctane (Surr)                | 69        | S1-       | 70 - 130 |        |           |       |   |      |          |  |
| o-Terphenyl (Surr)                   | 68        | S1-       | 70 - 130 |        |           |       |   |      |          |  |

Lab Sample ID: 880-60774-A-7-D MSD

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115025

|                                      | 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 | <50.0     | U         | 998      | 840.9  |           | mg/Kg |   | 84   | 70 - 130 | 15  | 20    |  |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 998      | 823.8  |           | mg/Kg |   | 83   | 70 - 130 | 9   | 20    |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |     |       |  |
| 1-Chlorooctane (Surr)                | 95        |           | 70 - 130 |        |           |       |   |      |          |     |       |  |
| o-Terphenyl (Surr)                   | 76        |           | 70 - 130 |        |           |       |   |      |          |     |       |  |

Lab Sample ID: MB 880-115055/1-A

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115055

|                                      | 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 |   | 07/25/25 15:17 | 07/26/25 00:33 | 1       |  |  |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 00:33 | 1       |  |  |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 07/25/25 15:17 | 07/26/25 00:33 | 1       |  |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |  |  |
| 1-Chlorooctane (Surr)                | 109       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 00:33 | 1       |  |  |
| o-Terphenyl (Surr)                   | 104       |           | 70 - 130 |     |       |   | 07/25/25 15:17 | 07/26/25 00:33 | 1       |  |  |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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

**Lab Sample ID: LCS 880-115055/2-A**

**Matrix: Solid**

Analysis Batch: 115009

**Client Sample ID: Lab Control Sample**

Prep Type: Total/NA

Prep Batch: 115055

| Analyte                              |  |  | Spike | LCS    | LCS       | Unit  | D | %Rec | %Rec   |          |  |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|------|--------|----------|--|
|                                      |  |  | Added | Result | Qualifier |       |   |      | Limits |          |  |
| Gasoline Range Organics (GRO)-C6-C10 |  |  | 1000  | 1071   |           | mg/Kg |   | 107  |        | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) |  |  | 1000  | 1088   |           | mg/Kg |   | 109  |        | 70 - 130 |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |
|                                      |  |  |       |        |           |       |   |      |        |          |  |

**Lab Sample ID: LCSD 880-115055/3-A**

**Matrix: Solid**

**Analysis Batch: 115009**

**Client Sample ID: Lab Control Sample Dup**

Prep Type: Total/NA

Prep Batch: 115055

| Analyte                              | Spike Added    | LCSD Result    | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|--------------------------------------|----------------|----------------|----------------|-------|---|------|-------------|-----|-------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 1050           |                | mg/Kg | - | 105  | 70 - 130    | 2   | 20    |
| Diesel Range Organics (Over C10-C28) | 1000           | 1009           |                | mg/Kg |   | 101  | 70 - 130    | 8   | 20    |
|                                      | LCSD %Recovery | LCSD Qualifier | Limits         |       |   |      |             |     |       |
| 1-Chlorooctane (Surr)                | 129            |                | 70 - 130       |       |   |      |             |     |       |
| o-Terphenyl (Surr)                   | 114            |                | 70 - 130       |       |   |      |             |     |       |

**Lab Sample ID: 880-60777-1 MS**

**Matrix: Solid**

**Analysis Batch: 115009**

**Client Sample ID: BH1 (0-1.0')**

Prep Type: Total/NA

**Prep Batch: 115055**

|                                      | Sample          | Sample          | Spike    | MS     | MS        |       |   |      | %Rec     |  |  |
|--------------------------------------|-----------------|-----------------|----------|--------|-----------|-------|---|------|----------|--|--|
| Analyte                              | Result          | Qualifier       | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | 420             | F1              | 1000     | 1112   | F1        | mg/Kg |   | 69   | 70 - 130 |  |  |
| Diesel Range Organics (Over C10-C28) | 2210            |                 | 1000     | 3010   |           | mg/Kg |   | 79   | 70 - 130 |  |  |
|                                      |                 |                 |          |        |           |       |   |      |          |  |  |
| Surrogate                            | MS<br>%Recovery | MS<br>Qualifier | Limits   |        |           |       |   |      |          |  |  |
| 1-Chlorooctane (Surr)                | 92              |                 | 70 - 130 |        |           |       |   |      |          |  |  |
| o-Terphenyl (Surr)                   | 125             |                 | 70 - 130 |        |           |       |   |      |          |  |  |

**Lab Sample ID: 880-60777-1 MSD**

**Matrix: Solid**

**Analysis Batch: 115009**

**Client Sample ID: BH1 (0-1.0')**

Prep Type: Total/NA

**Prep Batch: 115055**

|                                      | 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 | 420              | F1               | 1000     | 1149   |           | mg/Kg |   | 73   | 70 - 130 | 3   | 20    |
| Diesel Range Organics (Over C10-C28) | 2210             |                  | 1000     | 3093   |           | mg/Kg |   | 88   | 70 - 130 | 3   | 20    |
|                                      |                  |                  |          |        |           |       |   |      |          |     |       |
| Surrogate                            | MSD<br>%Recovery | MSD<br>Qualifier | Limits   |        |           |       |   |      |          |     |       |
| 1-Chlorooctane (Surr)                | 94               |                  | 70 - 130 |        |           |       |   |      |          |     |       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-60777-1 MSD

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: BH1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 115055

|                            | MSD       | MSD       |          |
|----------------------------|-----------|-----------|----------|
| Surrogate                  | %Recovery | Qualifier | Limits   |
| <i>o</i> -Terphenyl (Surr) | 129       |           | 70 - 130 |

Lab Sample ID: MB 880-115057/1-A

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115057

| Analyte                              | MB        | MB        | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
|                                      | Result    | Qualifier |          |     |       |   |                |                |         |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 08:16 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 08:16 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 07/25/25 15:21 | 07/26/25 08:16 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 113       |           | 70 - 130 |     |       |   | 07/25/25 15:21 | 07/26/25 08:16 | 1       |
| <i>o</i> -Terphenyl (Surr)           | 109       |           | 70 - 130 |     |       |   | 07/25/25 15:21 | 07/26/25 08:16 | 1       |

Lab Sample ID: LCS 880-115057/2-A

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115057

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 966.8      |               | mg/Kg |   | 97   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1095       |               | mg/Kg |   | 109  | 70 - 130    |
| Surrogate                            | %Recovery   | Qualifier  | Limits        |       |   |      |             |
| 1-Chlorooctane (Surr)                | 105         |            | 70 - 130      |       |   |      |             |
| <i>o</i> -Terphenyl (Surr)           | 107         |            | 70 - 130      |       |   |      |             |

Lab Sample ID: LCSD 880-115057/3-A

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115057

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 880.2       |                | mg/Kg |   | 88   | 70 - 130    | 9   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 961.6       |                | mg/Kg |   | 96   | 70 - 130    | 13  | 20        |
| Surrogate                            | %Recovery   | Qualifier   | Limits         |       |   |      |             |     |           |
| 1-Chlorooctane (Surr)                | 94          |             | 70 - 130       |       |   |      |             |     |           |
| <i>o</i> -Terphenyl (Surr)           | 96          |             | 70 - 130       |       |   |      |             |     |           |

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-60777-32 MS

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: BH3 (8.0')

Prep Type: Total/NA

Prep Batch: 115057

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.2         | U                | 997         | 758.3     |              | mg/Kg |   | 76   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <50.2         | U                | 997         | 768.8     |              | mg/Kg |   | 74   | 70 - 130    |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 1-Chlorooctane (Surr)                | 86            |                  | 70 - 130    |           |              |       |   |      |             |
| o-Terphenyl (Surr)                   | 74            |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 880-60777-32 MSD

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: BH3 (8.0')

Prep Type: Total/NA

Prep Batch: 115057

| 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 | <50.2         | U                | 997         | 753.4      |               | mg/Kg |   | 76   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.2         | U                | 997         | 835.7      |               | mg/Kg |   | 80   | 70 - 130    | 8   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane (Surr)                | 72            |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl (Surr)                   | 77            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115060/1-A

Matrix: Solid

Analysis Batch: 115093

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 |   |          | 07/28/25 09:53 | 1       |

Lab Sample ID: LCS 880-115060/2-A

Matrix: Solid

Analysis Batch: 115093

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 254.4      |               | mg/Kg |   | 102  | 90 - 110    |

Lab Sample ID: LCSD 880-115060/3-A

Matrix: Solid

Analysis Batch: 115093

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 239.9       |                | mg/Kg |   | 96   | 90 - 110    | 6   | 20        |

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-60777-21 MS

Matrix: Solid

Analysis Batch: 115093

Client Sample ID: BH2 (9.0')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Chloride | 215           | F1               | 248         | 390.5     | F1           | mg/Kg |   | 71   | 90 - 110    |  |  |

Lab Sample ID: 880-60777-21 MSD

Matrix: Solid

Analysis Batch: 115093

Client Sample ID: BH2 (9.0')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 215           | F1               | 248         | 355.6      | F1            | mg/Kg |   | 57   | 90 - 110    | 9   | 20        |

Lab Sample ID: 880-60777-31 MS

Matrix: Solid

Analysis Batch: 115093

Client Sample ID: BH3 (7.0')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Chloride | <9.94         | U                | 249         | 257.3     |              | mg/Kg |   | 102  | 90 - 110    |  |  |

Lab Sample ID: 880-60777-31 MSD

Matrix: Solid

Analysis Batch: 115093

Client Sample ID: BH3 (7.0')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | <9.94         | U                | 249         | 256.8      |               | mg/Kg |   | 102  | 90 - 110    | 0   | 20        |

Lab Sample ID: MB 880-115056/1-A

Matrix: Solid

Analysis Batch: 115096

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 |   |          | 07/28/25 11:08 | 1       |

Lab Sample ID: LCS 880-115056/2-A

Matrix: Solid

Analysis Batch: 115096

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  |  |  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|----------|--|--|-------------|------------|---------------|-------|---|------|-------------|--|--|
| Chloride |  |  | 250         | 247.2      |               | mg/Kg |   | 99   | 90 - 110    |  |  |

Lab Sample ID: LCSD 880-115056/3-A

Matrix: Solid

Analysis Batch: 115096

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         | 247.6       |                | mg/Kg |   | 99   | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-60777-1 MS

Matrix: Solid

Analysis Batch: 115096

Client Sample ID: BH1 (0-1.0')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Chloride | 62.8          |                  | 249         | 311.0     |              | mg/Kg |   | 100  | 90 - 110    |  |  |

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-60777-1 MSD

Matrix: Solid

Analysis Batch: 115096

Client Sample ID: BH1 (0-1.0')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 62.8          |                  | 249         | 311.3      |               | mg/Kg |   | 100  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-60777-11 MS

Matrix: Solid

Analysis Batch: 115096

Client Sample ID: BH1 (15.0')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Chloride | 22.6          |                  | 250         | 270.1     |              | mg/Kg |   | 99   | 90 - 110    |  |  |

Lab Sample ID: 880-60777-11 MSD

Matrix: Solid

Analysis Batch: 115096

Client Sample ID: BH1 (15.0')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 22.6          |                  | 250         | 270.0      |               | mg/Kg |   | 99   | 90 - 110    | 0   | 20        |

Lab Sample ID: MB 880-115256/1-A

Matrix: Solid

Analysis Batch: 115264

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 |   |          | 07/29/25 08:36 | 1       |

Lab Sample ID: LCS 880-115256/2-A

Matrix: Solid

Analysis Batch: 115264

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|----------|-------------|------------|---------------|-------|---|------|-------------|--|--|
| Chloride | 250         | 236.7      |               | mg/Kg |   | 95   | 90 - 110    |  |  |

Lab Sample ID: LCSD 880-115256/3-A

Matrix: Solid

Analysis Batch: 115264

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         | 237.0       |                | mg/Kg |   | 95   | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-60777-36 MS

Matrix: Solid

Analysis Batch: 115264

Client Sample ID: BH3 (20.0')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Chloride | <10.1         | U                | 253         | 252.1     |              | mg/Kg |   | 96   | 90 - 110    |  |  |

Lab Sample ID: 880-60777-36 MSD

Matrix: Solid

Analysis Batch: 115264

Client Sample ID: BH3 (20.0')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | <10.1         | U                | 253         | 253.4      |               | mg/Kg |   | 97   | 90 - 110    | 0   | 20        |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## GC VOA

## Prep Batch: 115039

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-60777-1         | BH1 (0-1.0')           | Total/NA  | Solid  | 5035   |            |
| 880-60777-2         | BH1 (2.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-4         | BH1 (4.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-5         | BH1 (5.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-7         | BH1 (7.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-8         | BH1 (8.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-9         | BH1 (9.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-10        | BH1 (10.0')            | Total/NA  | Solid  | 5035   |            |
| 880-60777-11        | BH1 (15.0')            | Total/NA  | Solid  | 5035   |            |
| 880-60777-12        | BH1 (20.0')            | Total/NA  | Solid  | 5035   |            |
| 880-60777-13        | BH2 (0-1.0')           | Total/NA  | Solid  | 5035   |            |
| 880-60777-14        | BH2 (2.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-15        | BH2 (3.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-16        | BH2 (4.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-17        | BH2 (5.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-18        | BH2 (6.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-19        | BH2 (7.0')             | Total/NA  | Solid  | 5035   |            |
| MB 880-115039/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-115039/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-115039/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-60775-A-1-A MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-60775-A-1-B MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 115040

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-60777-20        | BH2 (8.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-21        | BH2 (9.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-22        | BH2 (10.0')            | Total/NA  | Solid  | 5035   |            |
| 880-60777-23        | BH2 (15.0')            | Total/NA  | Solid  | 5035   |            |
| 880-60777-24        | BH2 (20.0')            | Total/NA  | Solid  | 5035   |            |
| 880-60777-25        | BH3 (0-1.0')           | Total/NA  | Solid  | 5035   |            |
| 880-60777-26        | BH3 (2.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-27        | BH3 (3.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-28        | BH3 (4.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-29        | BH3 (5.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-30        | BH3 (6.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-31        | BH3 (7.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-32        | BH3 (8.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-33        | BH3 (9.0')             | Total/NA  | Solid  | 5035   |            |
| MB 880-115040/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-115040/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-115040/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-60776-A-1-A MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-60776-A-1-B MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 115076

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-60777-1   | BH1 (0-1.0')     | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-2   | BH1 (2.0')       | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-4   | BH1 (4.0')       | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-5   | BH1 (5.0')       | Total/NA  | Solid  | 8021B  | 115039     |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## GC VOA (Continued)

## Analysis Batch: 115076 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-60777-7         | BH1 (7.0')             | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-8         | BH1 (8.0')             | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-9         | BH1 (9.0')             | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-10        | BH1 (10.0')            | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-11        | BH1 (15.0')            | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-12        | BH1 (20.0')            | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-13        | BH2 (0-1.0')           | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-14        | BH2 (2.0')             | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-15        | BH2 (3.0')             | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-16        | BH2 (4.0')             | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-17        | BH2 (5.0')             | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-18        | BH2 (6.0')             | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60777-19        | BH2 (7.0')             | Total/NA  | Solid  | 8021B  | 115039     |
| MB 880-115039/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 115039     |
| LCS 880-115039/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 115039     |
| LCSD 880-115039/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60775-A-1-A MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 115039     |
| 880-60775-A-1-B MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 115039     |

## Analysis Batch: 115077

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-60777-20        | BH2 (8.0')             | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60777-21        | BH2 (9.0')             | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60777-22        | BH2 (10.0')            | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60777-23        | BH2 (15.0')            | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60777-24        | BH2 (20.0')            | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60777-25        | BH3 (0-1.0')           | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60777-26        | BH3 (2.0')             | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60777-27        | BH3 (3.0')             | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60777-28        | BH3 (4.0')             | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60777-29        | BH3 (5.0')             | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60777-30        | BH3 (6.0')             | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60777-31        | BH3 (7.0')             | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60777-32        | BH3 (8.0')             | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60777-33        | BH3 (9.0')             | Total/NA  | Solid  | 8021B  | 115040     |
| MB 880-115040/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 115040     |
| LCS 880-115040/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 115040     |
| LCSD 880-115040/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60776-A-1-A MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60776-A-1-B MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 115040     |

## Analysis Batch: 115078

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-60777-34        | BH3 (10.0')            | Total/NA  | Solid  | 8021B  | 115079     |
| 880-60777-35        | BH3 (15.0')            | Total/NA  | Solid  | 8021B  | 115079     |
| 880-60777-36        | BH3 (20.0')            | Total/NA  | Solid  | 8021B  | 115079     |
| MB 880-115079/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 115079     |
| LCS 880-115079/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 115079     |
| LCSD 880-115079/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 115079     |
| 890-8508-A-1-E MS   | Matrix Spike           | Total/NA  | Solid  | 8021B  | 115079     |
| 890-8508-A-1-F MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 115079     |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## GC VOA

## Prep Batch: 115079

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-60777-34        | BH3 (10.0')            | Total/NA  | Solid  | 5035   |            |
| 880-60777-35        | BH3 (15.0')            | Total/NA  | Solid  | 5035   |            |
| 880-60777-36        | BH3 (20.0')            | Total/NA  | Solid  | 5035   |            |
| MB 880-115079/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-115079/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-115079/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-8508-A-1-E MS   | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-8508-A-1-F MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 115088

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-60777-3         | BH1 (3.0')             | Total/NA  | Solid  | 8021B  | 115091     |
| 880-60777-6         | BH1 (6.0')             | Total/NA  | Solid  | 8021B  | 115091     |
| 880-60777-25        | BH3 (0-1.0')           | Total/NA  | Solid  | 8021B  | 115091     |
| MB 880-115091/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 115091     |
| LCS 880-115091/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 115091     |
| LCSD 880-115091/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 115091     |
| 890-8509-A-1-A MS   | Matrix Spike           | Total/NA  | Solid  | 8021B  | 115091     |
| 890-8509-A-1-B MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 115091     |

## Prep Batch: 115091

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-60777-3         | BH1 (3.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-6         | BH1 (6.0')             | Total/NA  | Solid  | 5035   |            |
| 880-60777-25        | BH3 (0-1.0')           | Total/NA  | Solid  | 5035   |            |
| MB 880-115091/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-115091/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-115091/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-8509-A-1-A MS   | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-8509-A-1-B MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 115187

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-60777-1   | BH1 (0-1.0')     | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-2   | BH1 (2.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-3   | BH1 (3.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-4   | BH1 (4.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-5   | BH1 (5.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-6   | BH1 (6.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-7   | BH1 (7.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-8   | BH1 (8.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-9   | BH1 (9.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-10  | BH1 (10.0')      | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-11  | BH1 (15.0')      | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-12  | BH1 (20.0')      | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-13  | BH2 (0-1.0')     | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-14  | BH2 (2.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-15  | BH2 (3.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-16  | BH2 (4.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-17  | BH2 (5.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-18  | BH2 (6.0')       | Total/NA  | Solid  | Total BTEX |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## GC VOA (Continued)

## Analysis Batch: 115187 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-60777-19  | BH2 (7.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-20  | BH2 (8.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-21  | BH2 (9.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-22  | BH2 (10.0')      | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-23  | BH2 (15.0')      | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-24  | BH2 (20.0')      | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-25  | BH3 (0-1.0')     | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-26  | BH3 (2.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-27  | BH3 (3.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-28  | BH3 (4.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-29  | BH3 (5.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-30  | BH3 (6.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-31  | BH3 (7.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-32  | BH3 (8.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-33  | BH3 (9.0')       | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-34  | BH3 (10.0')      | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-35  | BH3 (15.0')      | Total/NA  | Solid  | Total BTEX |            |
| 880-60777-36  | BH3 (20.0')      | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 115009

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-60777-1   | BH1 (0-1.0')     | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-2   | BH1 (2.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-3   | BH1 (3.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-4   | BH1 (4.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-5   | BH1 (5.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-6   | BH1 (6.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-7   | BH1 (7.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-8   | BH1 (8.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-9   | BH1 (9.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-10  | BH1 (10.0')      | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-11  | BH1 (15.0')      | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-12  | BH1 (20.0')      | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-13  | BH2 (0-1.0')     | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-14  | BH2 (2.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-15  | BH2 (3.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-16  | BH2 (4.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-17  | BH2 (5.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-18  | BH2 (6.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-19  | BH2 (7.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-20  | BH2 (8.0')       | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-21  | BH2 (9.0')       | Total/NA  | Solid  | 8015B NM | 115025     |
| 880-60777-22  | BH2 (10.0')      | Total/NA  | Solid  | 8015B NM | 115025     |
| 880-60777-23  | BH2 (15.0')      | Total/NA  | Solid  | 8015B NM | 115025     |
| 880-60777-24  | BH2 (20.0')      | Total/NA  | Solid  | 8015B NM | 115025     |
| 880-60777-25  | BH3 (0-1.0')     | Total/NA  | Solid  | 8015B NM | 115025     |
| 880-60777-26  | BH3 (2.0')       | Total/NA  | Solid  | 8015B NM | 115025     |
| 880-60777-27  | BH3 (3.0')       | Total/NA  | Solid  | 8015B NM | 115025     |
| 880-60777-28  | BH3 (4.0')       | Total/NA  | Solid  | 8015B NM | 115025     |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## GC Semi VOA (Continued)

## Analysis Batch: 115009 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-60777-29        | BH3 (5.0')             | Total/NA  | Solid  | 8015B NM | 115025     |
| 880-60777-30        | BH3 (6.0')             | Total/NA  | Solid  | 8015B NM | 115025     |
| 880-60777-31        | BH3 (7.0')             | Total/NA  | Solid  | 8015B NM | 115025     |
| 880-60777-32        | BH3 (8.0')             | Total/NA  | Solid  | 8015B NM | 115057     |
| 880-60777-33        | BH3 (9.0')             | Total/NA  | Solid  | 8015B NM | 115057     |
| 880-60777-34        | BH3 (10.0')            | Total/NA  | Solid  | 8015B NM | 115057     |
| 880-60777-35        | BH3 (15.0')            | Total/NA  | Solid  | 8015B NM | 115057     |
| 880-60777-36        | BH3 (20.0')            | Total/NA  | Solid  | 8015B NM | 115057     |
| MB 880-115025/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 115025     |
| MB 880-115055/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 115055     |
| MB 880-115057/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 115057     |
| LCS 880-115025/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 115025     |
| LCS 880-115055/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 115055     |
| LCS 880-115057/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 115057     |
| LCSD 880-115025/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 115025     |
| LCSD 880-115055/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 115055     |
| LCSD 880-115057/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 115057     |
| 880-60774-A-7-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 115025     |
| 880-60774-A-7-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 115025     |
| 880-60777-1 MS      | BH1 (0-1.0')           | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-1 MSD     | BH1 (0-1.0')           | Total/NA  | Solid  | 8015B NM | 115055     |
| 880-60777-32 MS     | BH3 (8.0')             | Total/NA  | Solid  | 8015B NM | 115057     |
| 880-60777-32 MSD    | BH3 (8.0')             | Total/NA  | Solid  | 8015B NM | 115057     |

## Prep Batch: 115025

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-60777-21        | BH2 (9.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-22        | BH2 (10.0')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-23        | BH2 (15.0')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-24        | BH2 (20.0')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-25        | BH3 (0-1.0')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-26        | BH3 (2.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-27        | BH3 (3.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-28        | BH3 (4.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-29        | BH3 (5.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-30        | BH3 (6.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-31        | BH3 (7.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-115025/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-115025/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-115025/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60774-A-7-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60774-A-7-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 115055

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 880-60777-1   | BH1 (0-1.0')     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-2   | BH1 (2.0')       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-3   | BH1 (3.0')       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-4   | BH1 (4.0')       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-5   | BH1 (5.0')       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-6   | BH1 (6.0')       | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## GC Semi VOA (Continued)

## Prep Batch: 115055 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-60777-7         | BH1 (7.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-8         | BH1 (8.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-9         | BH1 (9.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-10        | BH1 (10.0')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-11        | BH1 (15.0')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-12        | BH1 (20.0')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-13        | BH2 (0-1.0')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-14        | BH2 (2.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-15        | BH2 (3.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-16        | BH2 (4.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-17        | BH2 (5.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-18        | BH2 (6.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-19        | BH2 (7.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-20        | BH2 (8.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-115055/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-115055/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-115055/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-1 MS      | BH1 (0-1.0')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-1 MSD     | BH1 (0-1.0')           | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 115057

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-60777-32        | BH3 (8.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-33        | BH3 (9.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-34        | BH3 (10.0')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-35        | BH3 (15.0')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-36        | BH3 (20.0')            | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-115057/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-115057/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-115057/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-32 MS     | BH3 (8.0')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60777-32 MSD    | BH3 (8.0')             | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 115121

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-60777-1   | BH1 (0-1.0')     | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-2   | BH1 (2.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-3   | BH1 (3.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-4   | BH1 (4.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-5   | BH1 (5.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-6   | BH1 (6.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-7   | BH1 (7.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-8   | BH1 (8.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-9   | BH1 (9.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-10  | BH1 (10.0')      | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-11  | BH1 (15.0')      | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-12  | BH1 (20.0')      | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-13  | BH2 (0-1.0')     | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-14  | BH2 (2.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-15  | BH2 (3.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-16  | BH2 (4.0')       | Total/NA  | Solid  | 8015 NM |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## GC Semi VOA (Continued)

## Analysis Batch: 115121 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-60777-17  | BH2 (5.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-18  | BH2 (6.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-19  | BH2 (7.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-20  | BH2 (8.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-21  | BH2 (9.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-22  | BH2 (10.0')      | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-23  | BH2 (15.0')      | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-24  | BH2 (20.0')      | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-25  | BH3 (0-1.0')     | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-26  | BH3 (2.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-27  | BH3 (3.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-28  | BH3 (4.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-29  | BH3 (5.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-30  | BH3 (6.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-31  | BH3 (7.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-32  | BH3 (8.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-33  | BH3 (9.0')       | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-34  | BH3 (10.0')      | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-35  | BH3 (15.0')      | Total/NA  | Solid  | 8015 NM |            |
| 880-60777-36  | BH3 (20.0')      | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 115056

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-60777-1         | BH1 (0-1.0')           | Soluble   | Solid  | DI Leach |            |
| 880-60777-2         | BH1 (2.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-3         | BH1 (3.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-4         | BH1 (4.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-5         | BH1 (5.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-6         | BH1 (6.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-7         | BH1 (7.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-8         | BH1 (8.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-9         | BH1 (9.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-10        | BH1 (10.0')            | Soluble   | Solid  | DI Leach |            |
| 880-60777-11        | BH1 (15.0')            | Soluble   | Solid  | DI Leach |            |
| 880-60777-12        | BH1 (20.0')            | Soluble   | Solid  | DI Leach |            |
| 880-60777-13        | BH2 (0-1.0')           | Soluble   | Solid  | DI Leach |            |
| 880-60777-14        | BH2 (2.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-15        | BH2 (3.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-16        | BH2 (4.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-17        | BH2 (5.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-18        | BH2 (6.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-19        | BH2 (7.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-20        | BH2 (8.0')             | Soluble   | Solid  | DI Leach |            |
| MB 880-115056/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-115056/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-115056/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-60777-1 MS      | BH1 (0-1.0')           | Soluble   | Solid  | DI Leach |            |
| 880-60777-1 MSD     | BH1 (0-1.0')           | Soluble   | Solid  | DI Leach |            |
| 880-60777-11 MS     | BH1 (15.0')            | Soluble   | Solid  | DI Leach |            |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## HPLC/IC (Continued)

## Leach Batch: 115056 (Continued)

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|------------------|------------------|-----------|--------|----------|------------|
| 880-60777-11 MSD | BH1 (15.0')      | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 115060

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-60777-21        | BH2 (9.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-22        | BH2 (10.0')            | Soluble   | Solid  | DI Leach |            |
| 880-60777-23        | BH2 (15.0')            | Soluble   | Solid  | DI Leach |            |
| 880-60777-24        | BH2 (20.0')            | Soluble   | Solid  | DI Leach |            |
| 880-60777-25        | BH3 (0-1.0')           | Soluble   | Solid  | DI Leach |            |
| 880-60777-26        | BH3 (2.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-27        | BH3 (3.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-28        | BH3 (4.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-29        | BH3 (5.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-30        | BH3 (6.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-31        | BH3 (7.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-32        | BH3 (8.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-33        | BH3 (9.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-34        | BH3 (10.0')            | Soluble   | Solid  | DI Leach |            |
| 880-60777-35        | BH3 (15.0')            | Soluble   | Solid  | DI Leach |            |
| MB 880-115060/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-115060/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-115060/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-60777-21 MS     | BH2 (9.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-21 MSD    | BH2 (9.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-31 MS     | BH3 (7.0')             | Soluble   | Solid  | DI Leach |            |
| 880-60777-31 MSD    | BH3 (7.0')             | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 115093

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-60777-21        | BH2 (9.0')             | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-22        | BH2 (10.0')            | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-23        | BH2 (15.0')            | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-24        | BH2 (20.0')            | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-25        | BH3 (0-1.0')           | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-26        | BH3 (2.0')             | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-27        | BH3 (3.0')             | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-28        | BH3 (4.0')             | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-29        | BH3 (5.0')             | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-30        | BH3 (6.0')             | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-31        | BH3 (7.0')             | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-32        | BH3 (8.0')             | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-33        | BH3 (9.0')             | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-34        | BH3 (10.0')            | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-35        | BH3 (15.0')            | Soluble   | Solid  | 300.0  | 115060     |
| MB 880-115060/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 115060     |
| LCS 880-115060/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 115060     |
| LCSD 880-115060/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-21 MS     | BH2 (9.0')             | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-21 MSD    | BH2 (9.0')             | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-31 MS     | BH3 (7.0')             | Soluble   | Solid  | 300.0  | 115060     |
| 880-60777-31 MSD    | BH3 (7.0')             | Soluble   | Solid  | 300.0  | 115060     |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## HPLC/IC

## Analysis Batch: 115096

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-60777-1         | BH1 (0-1.0')           | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-2         | BH1 (2.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-3         | BH1 (3.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-4         | BH1 (4.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-5         | BH1 (5.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-6         | BH1 (6.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-7         | BH1 (7.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-8         | BH1 (8.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-9         | BH1 (9.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-10        | BH1 (10.0')            | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-11        | BH1 (15.0')            | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-12        | BH1 (20.0')            | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-13        | BH2 (0-1.0')           | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-14        | BH2 (2.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-15        | BH2 (3.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-16        | BH2 (4.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-17        | BH2 (5.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-18        | BH2 (6.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-19        | BH2 (7.0')             | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-20        | BH2 (8.0')             | Soluble   | Solid  | 300.0  | 115056     |
| MB 880-115056/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 115056     |
| LCS 880-115056/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 115056     |
| LCSD 880-115056/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-1 MS      | BH1 (0-1.0')           | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-1 MSD     | BH1 (0-1.0')           | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-11 MS     | BH1 (15.0')            | Soluble   | Solid  | 300.0  | 115056     |
| 880-60777-11 MSD    | BH1 (15.0')            | Soluble   | Solid  | 300.0  | 115056     |

## Leach Batch: 115256

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-60777-36        | BH3 (20.0')            | Soluble   | Solid  | DI Leach |            |
| MB 880-115256/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-115256/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-115256/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-60777-36 MS     | BH3 (20.0')            | Soluble   | Solid  | DI Leach |            |
| 880-60777-36 MSD    | BH3 (20.0')            | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 115264

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-60777-36        | BH3 (20.0')            | Soluble   | Solid  | 300.0  | 115256     |
| MB 880-115256/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 115256     |
| LCS 880-115256/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 115256     |
| LCSD 880-115256/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 115256     |
| 880-60777-36 MS     | BH3 (20.0')            | Soluble   | Solid  | 300.0  | 115256     |
| 880-60777-36 MSD    | BH3 (20.0')            | Soluble   | Solid  | 300.0  | 115256     |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH1 (0-1.0')

Lab Sample ID: 880-60777-1

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 115076       | 07/26/25 15:21       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 15:21       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 01:21       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 01:21       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 11:25       | CS      | EET MID |

Client Sample ID: BH1 (2.0')

Lab Sample ID: 880-60777-2

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 20         | 5 mL           | 5 mL         | 115076       | 07/26/25 15:41       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 15:41       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 02:08       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.90 g         | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 02:08       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 11:42       | CS      | EET MID |

Client Sample ID: BH1 (3.0')

Lab Sample ID: 880-60777-3

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 115091       | 07/28/25 08:28       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115088       | 07/28/25 14:27       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/28/25 14:27       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 02:24       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 02:24       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 11:47       | CS      | EET MID |

Client Sample ID: BH1 (4.0')

Lab Sample ID: 880-60777-4

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 20         | 5 mL           | 5 mL         | 115076       | 07/26/25 16:22       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 16:22       | SA      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH1 (4.0')

Lab Sample ID: 880-60777-4

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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          |                |              | 115121       | 07/26/25 02:41       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 02:41       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 11:53       | CS      | EET MID |

Client Sample ID: BH1 (5.0')

Lab Sample ID: 880-60777-5

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115076       | 07/26/25 14:40       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 14:40       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 02:57       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 02:57       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 11:59       | CS      | EET MID |

Client Sample ID: BH1 (6.0')

Lab Sample ID: 880-60777-6

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115091       | 07/28/25 08:28       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115088       | 07/28/25 14:47       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/28/25 14:47       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 03:12       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.94 g         | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 03:12       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 12:16       | CS      | EET MID |

Client Sample ID: BH1 (7.0')

Lab Sample ID: 880-60777-7

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 20         | 5 mL           | 5 mL         | 115076       | 07/26/25 17:03       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 17:03       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 03:28       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 03:28       | TKC     | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH1 (7.0')

Lab Sample ID: 880-60777-7

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 12:21       | CS      | EET MID |

Client Sample ID: BH1 (8.0')

Lab Sample ID: 880-60777-8

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115076       | 07/26/25 15:00       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 15:00       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 03:44       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.92 g         | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 03:44       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 12:27       | CS      | EET MID |

Client Sample ID: BH1 (9.0')

Lab Sample ID: 880-60777-9

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115076       | 07/26/25 18:47       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 18:47       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 04:00       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.90 g         | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 04:00       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 12:33       | CS      | EET MID |

Client Sample ID: BH1 (10.0')

Lab Sample ID: 880-60777-10

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 20         | 5 mL           | 5 mL         | 115076       | 07/26/25 17:24       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 17:24       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 04:15       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 04:15       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 12:38       | CS      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH1 (15.0')

Lab Sample ID: 880-60777-11

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115076       | 07/26/25 20:57       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 20:57       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 04:48       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 04:48       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 12:44       | CS      | EET MID |

Client Sample ID: BH1 (20.0')

Lab Sample ID: 880-60777-12

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115076       | 07/26/25 21:18       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 21:18       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 05:05       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 05:05       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 13:01       | CS      | EET MID |

Client Sample ID: BH2 (0-1.0')

Lab Sample ID: 880-60777-13

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 115076       | 07/26/25 23:00       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 23:00       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 05:20       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 05:20       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 13:07       | CS      | EET MID |

Client Sample ID: BH2 (2.0')

Lab Sample ID: 880-60777-14

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 115076       | 07/26/25 23:20       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 23:20       | SA      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH2 (2.0')

Lab Sample ID: 880-60777-14

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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          |                |              | 115121       | 07/26/25 05:37       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 05:37       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 13:24       | CS      | EET MID |

Client Sample ID: BH2 (3.0')

Lab Sample ID: 880-60777-15

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 20         | 5 mL           | 5 mL         | 115076       | 07/26/25 23:41       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 23:41       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 05:53       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.94 g         | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 05:53       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 13:29       | CS      | EET MID |

Client Sample ID: BH2 (4.0')

Lab Sample ID: 880-60777-16

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115076       | 07/26/25 21:38       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 21:38       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 06:09       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 06:09       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 13:35       | CS      | EET MID |

Client Sample ID: BH2 (5.0')

Lab Sample ID: 880-60777-17

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115076       | 07/26/25 21:58       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 21:58       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 06:25       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.97 g         | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 06:25       | TKC     | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## Client Sample ID: BH2 (5.0')

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

## Lab Sample ID: 880-60777-17

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     |     |            | 5.03 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 13:41       | CS      | EET MID |

## Client Sample ID: BH2 (6.0')

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

## Lab Sample ID: 880-60777-18

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115076       | 07/26/25 22:19       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 22:19       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 06:40       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 06:40       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 13:46       | CS      | EET MID |

## Client Sample ID: BH2 (7.0')

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

## Lab Sample ID: 880-60777-19

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         |     |            | 4.97 g         | 5 mL         | 115039       | 07/25/25 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115076       | 07/26/25 22:39       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 22:39       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 06:56       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.92 g         | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 06:56       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 13:52       | CS      | EET MID |

## Client Sample ID: BH2 (8.0')

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

## Lab Sample ID: 880-60777-20

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 20         | 5 mL           | 5 mL         | 115077       | 07/26/25 16:34       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 16:34       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 07:12       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 115055       | 07/25/25 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 07:12       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 115056       | 07/25/25 15:20       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115096       | 07/28/25 13:58       | CS      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH2 (9.0')

Lab Sample ID: 880-60777-21

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 20         | 5 mL           | 5 mL         | 115077       | 07/26/25 16:55       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 16:55       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/25/25 20:17       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 115025       | 07/25/25 10:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/25/25 20:17       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 10:15       | CS      | EET MID |

Client Sample ID: BH2 (10.0')

Lab Sample ID: 880-60777-22

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 20         | 5 mL           | 5 mL         | 115077       | 07/26/25 17:15       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 17:15       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/25/25 20:49       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 115025       | 07/25/25 10:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/25/25 20:49       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 10:38       | CS      | EET MID |

Client Sample ID: BH2 (15.0')

Lab Sample ID: 880-60777-23

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115077       | 07/26/25 15:33       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 15:33       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/25/25 21:05       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 115025       | 07/25/25 10:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/25/25 21:05       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 10:46       | CS      | EET MID |

Client Sample ID: BH2 (20.0')

Lab Sample ID: 880-60777-24

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115077       | 07/26/25 15:53       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 15:53       | SA      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## Client Sample ID: BH2 (20.0')

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

## Lab Sample ID: 880-60777-24

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          |                |              | 115121       | 07/25/25 21:21       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 115025       | 07/25/25 10:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/25/25 21:21       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 10:54       | CS      | EET MID |

## Client Sample ID: BH3 (0-1.0')

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

## Lab Sample ID: 880-60777-25

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         |     |            | 5.05 g         | 5 mL         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 20         | 5 mL           | 5 mL         | 115077       | 07/26/25 17:36       | MNR     | EET MID |
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 115091       | 07/28/25 08:28       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 500        | 5 mL           | 5 mL         | 115088       | 07/28/25 15:08       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/28/25 15:08       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/25/25 21:37       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 115025       | 07/25/25 10:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 5          | 1 uL           | 1 uL         | 115009       | 07/25/25 21:37       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 11:01       | CS      | EET MID |

## Client Sample ID: BH3 (2.0')

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

## Lab Sample ID: 880-60777-26

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         |     |            | 5.03 g         | 5 mL         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 20         | 5 mL           | 5 mL         | 115077       | 07/26/25 17:56       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 17:56       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/25/25 21:53       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 115025       | 07/25/25 10:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/25/25 21:53       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 11:24       | CS      | EET MID |

## Client Sample ID: BH3 (3.0')

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

## Lab Sample ID: 880-60777-27

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         |     |            | 5.01 g         | 5 mL         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115077       | 07/26/25 16:14       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 16:14       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/25/25 22:08       | SA      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH3 (3.0')

Lab Sample ID: 880-60777-27

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 115025       | 07/25/25 10:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/25/25 22:08       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 11:32       | CS      | EET MID |

Client Sample ID: BH3 (4.0')

Lab Sample ID: 880-60777-28

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115077       | 07/26/25 19:30       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 19:30       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/25/25 22:25       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 115025       | 07/25/25 10:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/25/25 22:25       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 11:40       | CS      | EET MID |

Client Sample ID: BH3 (5.0')

Lab Sample ID: 880-60777-29

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115077       | 07/26/25 19:51       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 19:51       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/25/25 22:40       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 115025       | 07/25/25 10:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/25/25 22:40       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 11:47       | CS      | EET MID |

Client Sample ID: BH3 (6.0')

Lab Sample ID: 880-60777-30

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115077       | 07/26/25 20:11       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 20:11       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/25/25 22:56       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 115025       | 07/25/25 10:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/25/25 22:56       | TKC     | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

## Client Sample ID: BH3 (6.0')

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

## Lab Sample ID: 880-60777-30

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        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 11:55       | CS      | EET MID |

## Client Sample ID: BH3 (7.0')

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

## Lab Sample ID: 880-60777-31

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         |     |            | 5.03 g         | 5 mL         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115077       | 07/26/25 20:32       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 20:32       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/25/25 23:12       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 115025       | 07/25/25 10:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/25/25 23:12       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 12:02       | CS      | EET MID |

## Client Sample ID: BH3 (8.0')

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

## Lab Sample ID: 880-60777-32

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         |     |            | 5.01 g         | 5 mL         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115077       | 07/26/25 20:52       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 20:52       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 09:06       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.96 g         | 10 mL        | 115057       | 07/25/25 15:21       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 09:06       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 12:25       | CS      | EET MID |

## Client Sample ID: BH3 (9.0')

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

## Lab Sample ID: 880-60777-33

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         |     |            | 4.99 g         | 5 mL         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115077       | 07/26/25 21:13       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 21:13       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 09:55       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.94 g         | 10 mL        | 115057       | 07/25/25 15:21       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 09:55       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 12:33       | CS      | EET MID |

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

Client Sample ID: BH3 (10.0')  
Date Collected: 07/24/25 00:00  
Date Received: 07/25/25 09:35

Lab Sample ID: 880-60777-34  
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         |     |            | 5.04 g         | 5 mL         | 115079       | 07/26/25 11:49       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115078       | 07/26/25 17:06       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 17:06       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 10:11       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10 mL        | 115057       | 07/25/25 15:21       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 10:11       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 12:56       | CS      | EET MID |

Client Sample ID: BH3 (15.0')  
Date Collected: 07/24/25 00:00  
Date Received: 07/25/25 09:35

Lab Sample ID: 880-60777-35  
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         |     |            | 4.98 g         | 5 mL         | 115079       | 07/26/25 11:49       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115078       | 07/26/25 17:26       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 17:26       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 10:27       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.92 g         | 10 mL        | 115057       | 07/25/25 15:21       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 10:27       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 115060       | 07/25/25 16:08       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115093       | 07/28/25 13:04       | CS      | EET MID |

Client Sample ID: BH3 (20.0')  
Date Collected: 07/24/25 00:00  
Date Received: 07/25/25 09:35

Lab Sample ID: 880-60777-36  
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         |     |            | 5.05 g         | 5 mL         | 115079       | 07/26/25 11:49       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115078       | 07/26/25 17:47       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115187       | 07/26/25 17:47       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115121       | 07/26/25 10:43       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.09 g        | 10 mL        | 115057       | 07/25/25 15:21       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115009       | 07/26/25 10:43       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 115256       | 07/29/25 07:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115264       | 07/29/25 10:12       | CS      | EET MID |

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

Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

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            | 06-30-26        |
| 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: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

| 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: Young Federal 1

Job ID: 880-60777-1  
SDG: Lea County, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-60777-1   | BH1 (0-1.0')     | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-2   | BH1 (2.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-3   | BH1 (3.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-4   | BH1 (4.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-5   | BH1 (5.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-6   | BH1 (6.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-7   | BH1 (7.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-8   | BH1 (8.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-9   | BH1 (9.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-10  | BH1 (10.0')      | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-11  | BH1 (15.0')      | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-12  | BH1 (20.0')      | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-13  | BH2 (0-1.0')     | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-14  | BH2 (2.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-15  | BH2 (3.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-16  | BH2 (4.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-17  | BH2 (5.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-18  | BH2 (6.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-19  | BH2 (7.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-20  | BH2 (8.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-21  | BH2 (9.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-22  | BH2 (10.0')      | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-23  | BH2 (15.0')      | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-24  | BH2 (20.0')      | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-25  | BH3 (0-1.0')     | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-26  | BH3 (2.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-27  | BH3 (3.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-28  | BH3 (4.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-29  | BH3 (5.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-30  | BH3 (6.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-31  | BH3 (7.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-32  | BH3 (8.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-33  | BH3 (9.0')       | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-34  | BH3 (10.0')      | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-35  | BH3 (15.0')      | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60777-36  | BH3 (20.0')      | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |

## Chain of Custody



880-60777 Chain of Custody

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|                                    |  |                                      |  |                   |  |
|------------------------------------|--|--------------------------------------|--|-------------------|--|
| Project Manager: Ashton Thielke    |  | Bill To: (if different)              |  | Carmona Resources |  |
| Company Name: Carmona Resources    |  | Company Name:                        |  |                   |  |
| Address: 310 West Wall Ste. 500    |  | Address:                             |  |                   |  |
| City, State ZIP: Midland, TX 79701 |  | City, State ZIP:                     |  |                   |  |
| Phone: 432-813-8988                |  | Email: ThielkeA@Carmonaresources.com |  |                   |  |

|                               |  |                                                                           |  |            |  |
|-------------------------------|--|---------------------------------------------------------------------------|--|------------|--|
| Project Name: Young Federal 1 |  | Turn Around                                                               |  | Pres. Code |  |
| Project Number: 2787          |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |            |  |
| Project Location: Lea Co. NM  |  | Due Date: 72 hr                                                           |  |            |  |
| Sampler's Name: GPJ/FV        |  | TAT starts the day received by the lab, if received by 4:30pm             |  |            |  |
| PO #:                         |  |                                                                           |  |            |  |

| SAMPLE RECEIPT        |  | Temp Blank: |  | Yes |  | No              |  | Wet Ice:           |  | Yes                  |  | No                     |  |
|-----------------------|--|-------------|--|-----|--|-----------------|--|--------------------|--|----------------------|--|------------------------|--|
| Received Intact:      |  | Yes         |  | No  |  | Thermometer ID: |  | Correction Factor: |  | Temperature Reading: |  | Corrected Temperature: |  |
| Cooler Custody Seals: |  | Yes         |  | No  |  | N/A             |  | N/A                |  | -5.5                 |  | -5.0                   |  |
| Sample Custody Seals: |  | Yes         |  | No  |  | N/A             |  | N/A                |  | -5.5                 |  | -5.0                   |  |
| Total Containers:     |  | Yes         |  | No  |  | N/A             |  | N/A                |  | -5.5                 |  | -5.0                   |  |

| Sample Identification | Date      | Time | Soil | Water | Grab/Comp | # of Cont | Parameters | Pres. Code | ANALYSIS REQUEST |  |  |  |  |  |  |  |  |  | Preservative Codes                                                |                            |
|-----------------------|-----------|------|------|-------|-----------|-----------|------------|------------|------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------|----------------------------|
| BH-1 (0-1.0')         | 7/24/2025 |      | X    |       | G         | 1         |            |            |                  |  |  |  |  |  |  |  |  |  | None: NO                                                          | DI Water: H <sub>2</sub> O |
| BH-1 (2.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |            |                  |  |  |  |  |  |  |  |  |  | Cool: Cool                                                        | MeOH: Me                   |
| BH-1 (3.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |            |                  |  |  |  |  |  |  |  |  |  | HCL: HC                                                           | HNO <sub>3</sub> : HN      |
| BH-1 (4.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |            |                  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| BH-1 (5.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |            |                  |  |  |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| BH-1 (6.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |            |                  |  |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |                            |
| BH-1 (7.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |            |                  |  |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| BH-1 (8.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |            |                  |  |  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |                            |
| BH-1 (9.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |            |                  |  |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC                                          |                            |
| BH-1 (10.0')          | 7/24/2025 |      | X    |       | G         | 1         |            |            |                  |  |  |  |  |  |  |  |  |  |                                                                   |                            |

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
|                              |                          | 7/29/25 9:35 |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |

Revised Date 05/12/2020 Rev. 2020.1

## Chain of Custody

Work Order No: \_\_\_\_\_

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|                                    |  |                                                                                         |  |                   |  |
|------------------------------------|--|-----------------------------------------------------------------------------------------|--|-------------------|--|
| Project Manager: Ashton Thielke    |  | Bill to: (if different)                                                                 |  | Carmona Resources |  |
| Company Name: Carmona Resources    |  | Company Name:                                                                           |  |                   |  |
| Address: 310 West Wall Ste. 500    |  | Address:                                                                                |  |                   |  |
| City, State ZIP: Midland, TX 79701 |  | City, State ZIP:                                                                        |  |                   |  |
| Phone: 432-813-8988                |  | Email: <a href="mailto:ThielkeA@Carmonaresources.com">ThielkeA@Carmonaresources.com</a> |  |                   |  |

|                               |  |                                                                                                                                                               |  |            |  |
|-------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|--|
| Project Name: Young Federal 1 |  | Turn Around                                                                                                                                                   |  | Pres. Code |  |
| Project Number: 2787          |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush<br>Due Date: 72 hr<br>TAT starts the day received by the lab, if received by 4:30pm |  |            |  |
| Project Location: Lea Co, NM  |  |                                                                                                                                                               |  |            |  |
| Sampler's Name: GPJ/FV        |  |                                                                                                                                                               |  |            |  |
| PO #:                         |  |                                                                                                                                                               |  |            |  |

|                       |  |             |  |                        |  |
|-----------------------|--|-------------|--|------------------------|--|
| SAMPLE RECEIPT        |  | Temp Blank: |  | 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 |    | TPH 8015M (GRO + DRO + MRO) | Chloride 300.0 | ANALYSIS REQUEST |    |                            |  |  |  |  |  |  |  | Preservative Codes | Sample Comments |
|-----------------------|-----------|------|------|-------|-----------|-----------|------------|----|-----------------------------|----------------|------------------|----|----------------------------|--|--|--|--|--|--|--|--------------------|-----------------|
|                       |           |      |      |       |           |           | Yes        | No |                             |                | None             | NO | DI Water: H <sub>2</sub> O |  |  |  |  |  |  |  |                    |                 |
| BH-1 (15.0')          | 7/24/2025 |      | X    |       | G         | 1         |            |    | X                           |                | HOLD             |    |                            |  |  |  |  |  |  |  |                    |                 |
| BH-1 (20.0')          | 7/24/2025 |      | X    |       | G         | 1         |            |    | X                           |                |                  |    |                            |  |  |  |  |  |  |  |                    |                 |
| BH-2 (0-1.0')         | 7/24/2025 |      | X    |       | G         | 1         |            |    | X                           |                |                  |    |                            |  |  |  |  |  |  |  |                    |                 |
| BH-2 (2.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |    | X                           |                |                  |    |                            |  |  |  |  |  |  |  |                    |                 |
| BH-2 (3.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |    | X                           |                |                  |    |                            |  |  |  |  |  |  |  |                    |                 |
| BH-2 (4.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |    | X                           |                |                  |    |                            |  |  |  |  |  |  |  |                    |                 |
| BH-2 (5.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |    | X                           |                |                  |    |                            |  |  |  |  |  |  |  |                    |                 |
| BH-2 (6.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |    | X                           |                |                  |    |                            |  |  |  |  |  |  |  |                    |                 |
| BH-2 (7.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |    | X                           |                |                  |    |                            |  |  |  |  |  |  |  |                    |                 |
| BH-2 (8.0')           | 7/24/2025 |      | X    |       | G         | 1         |            |    | X                           |                |                  |    |                            |  |  |  |  |  |  |  |                    |                 |

|                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| Please send results to <a href="mailto:cmoehring@carmonaresources.com">cmoehring@carmonaresources.com</a> and <a href="mailto:mcarmona@carmonaresources.com">mcarmona@carmonaresources.com</a> |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|

|                              |  |                          |  |                           |  |
|------------------------------|--|--------------------------|--|---------------------------|--|
| Relinquished by: (Signature) |  | Received by: (Signature) |  | Date/Time                 |  |
|                              |  |                          |  | 7/25/25 9:35 <sup>2</sup> |  |
|                              |  |                          |  | 4                         |  |
|                              |  |                          |  | 6                         |  |

|                              |  |                          |  |           |  |
|------------------------------|--|--------------------------|--|-----------|--|
| Relinquished by: (Signature) |  | Received by: (Signature) |  | Date/Time |  |
|                              |  |                          |  |           |  |
|                              |  |                          |  |           |  |
|                              |  |                          |  |           |  |

Revised Date 05/01/2020 Rev. 2020.1

## Chain of Custody

**Work Order No:**

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

|                  |                        |                         |                               |
|------------------|------------------------|-------------------------|-------------------------------|
| Project Manager: | Ashton Thielke         | Bill to: (if different) | Carmona Resources             |
| Company Name:    | Carmona Resources      | Company Name:           |                               |
| Address:         | 310 West Wall Ste. 500 | Address:                |                               |
| City, State ZIP: | Midland, TX 79701      | City, State ZIP:        |                               |
| Phone:           | 432-813-8988           | Email:                  | ThielkeA@Carmonaresources.com |

| Young Federal 1       |  |             |  |                                                                           |  | Turn Around |  | ANALYSIS REQUEST |  |               |  |              |  |                              |  | Preservative Codes                                                |  |
|-----------------------|--|-------------|--|---------------------------------------------------------------------------|--|-------------|--|------------------|--|---------------|--|--------------|--|------------------------------|--|-------------------------------------------------------------------|--|
| Project Name:         |  | 2787        |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |             |  |                  |  |               |  |              |  |                              |  | None: NO<br>DI Water: H <sub>2</sub> O                            |  |
| Project Number:       |  | Lea Co., NM |  | Due Date:                                                                 |  | 72 hr       |  |                  |  |               |  |              |  |                              |  | Cool: Cool<br>MeOH: Me                                            |  |
| Sampler's Name:       |  | GP/JFV      |  | TAT starts the day received by the lab, if received by 4:30pm             |  |             |  |                  |  |               |  |              |  |                              |  | HCL: HC<br>HNO <sub>3</sub> : HN                                  |  |
| PO #:                 |  |             |  |                                                                           |  |             |  |                  |  |               |  |              |  |                              |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub><br>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/<br>Comp |  | # of<br>Cont |  | Parameters                   |  | BTX 8021B                                                         |  |
| BH-2 (9.0')           |  | 7/24/2025   |  |                                                                           |  | X           |  |                  |  | G             |  | 1            |  | TPH 8015M ( GRO + DRO + MRO) |  | Chloride 300.0                                                    |  |
| BH-2 (10.0')          |  | 7/24/2025   |  |                                                                           |  | X           |  |                  |  | G             |  | 1            |  | X                            |  | X                                                                 |  |
| BH-2 (15.0')          |  | 7/24/2025   |  |                                                                           |  | X           |  |                  |  | G             |  | 1            |  | X                            |  | X                                                                 |  |
| BH-2 (20.0')          |  | 7/24/2025   |  |                                                                           |  | X           |  |                  |  | G             |  | 1            |  | X                            |  | X                                                                 |  |
| BH-3 (0-1.0')         |  | 7/24/2025   |  |                                                                           |  | X           |  |                  |  | G             |  | 1            |  | X                            |  | X                                                                 |  |
| BH-3 (2.0')           |  | 7/24/2025   |  |                                                                           |  | X           |  |                  |  | G             |  | 1            |  | X                            |  | X                                                                 |  |
| BH-3 (3.0')           |  | 7/24/2025   |  |                                                                           |  | X           |  |                  |  | G             |  | 1            |  | X                            |  | X                                                                 |  |
| BH-3 (4.0')           |  | 7/24/2025   |  |                                                                           |  | X           |  |                  |  | G             |  | 1            |  | X                            |  | X                                                                 |  |
| BH-3 (5.0')           |  | 7/24/2025   |  |                                                                           |  | X           |  |                  |  | G             |  | 1            |  | X                            |  | X                                                                 |  |
| BH-3 (6.0')           |  | 7/24/2025   |  |                                                                           |  | X           |  |                  |  | G             |  | 1            |  | X                            |  | X                                                                 |  |

Please send results to [cmoehring@carmonaresources.com](mailto:cmoehring@carmonaresources.com) and [mcarmona@carmonaresources.com](mailto:mcarmona@carmonaresources.com)

| Relinquished by: (Signature)                                                            | Received by: (Signature)                                                              | Date/Time    | Relinquished by: (Signature)                                                            | Received by: (Signature) | Date/Time |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------|--------------------------|-----------|
| 1  |  | 12/2/85 9:35 | 2  |                          |           |
| 3   |                                                                                       |              | 4    |                          |           |
|      |                                                                                       |              | 6    |                          |           |

Page 4 of 4

## Chain of Custody

[illegible]

Please send results to [cmoehring@carmonaresources.com](mailto:cmoehring@carmonaresources.com) and [mcarmona@carmonaresources.com](mailto:mcarmona@carmonaresources.com)

| Relinquished by: (Signature)                                                            | Received by: (Signature)                                                              | Date/Time  | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|------------------------------|--------------------------|-----------|
| 1  |  | 7/25/25 PB | 2                            |                          |           |
| 3                                                                                       |                                                                                       |            | 4                            |                          |           |
|                                                                                         |                                                                                       |            | 6                            |                          |           |

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-60777-1  
SDG Number: Lea County, NM

Login Number: 60777

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    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ashton Thielke  
Carmona Resources  
310 W Wall St  
Ste 500  
Midland, Texas 79701

Generated 7/30/2025 10:03:38 AM

## JOB DESCRIPTION

Young Federal 1  
Lea County, NM

## JOB NUMBER

880-60776-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

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

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

## Authorization



Generated  
7/30/2025 10:03:38 AM

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

Client: Carmona Resources  
Project/Site: Young Federal 1

Laboratory Job ID: 880-60776-1  
SDG: Lea County, NM

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

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

## Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: Young Federal 1

Job ID: 880-60776-1

**Job ID: 880-60776-1**

**Eurofins Midland**

### Job Narrative 880-60776-1

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 7/25/2025 9:35 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 -5.6°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-60776-1), H-2 (0-0.5') (880-60776-2), H-3 (0-0.5') (880-60776-3) and H-4 (0-0.5') (880-60776-4).

#### GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: H-3 (0-0.5') (880-60776-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-114964 and 880-114978 and analytical batch 880-114065 was outside the upper control limits.

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

#### Diesel Range Organics

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

#### HPLC/IC

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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-60776-1

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:41 | 07/26/25 14:52 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:52 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:52 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:52 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:52 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:52 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 14:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 14:52 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 07/26/25 14:52 | 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 |   |          | 07/30/25 01:56 | 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 |   | 07/28/25 08:41 | 07/30/25 01:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 07/28/25 08:41 | 07/30/25 01:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 |     | mg/Kg |   | 07/28/25 08:41 | 07/30/25 01:56 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 95        |           | 70 - 130 | 07/28/25 08:41 | 07/30/25 01:56 | 1       |
| o-Terphenyl (Surr)    | 91        |           | 70 - 130 | 07/28/25 08:41 | 07/30/25 01:56 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <9.94  | U         | 9.94 |     | mg/Kg |   |          | 07/28/25 15:06 | 1       |

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

Lab Sample ID: 880-60776-2

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 11:41 | 07/26/25 15:12 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:12 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:12 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:12 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:12 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 15:12 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 15:12 | 1       |
| 1,4-Difluorobenzene (Surr)  | 110       |           | 70 - 130 | 07/25/25 11:41 | 07/26/25 15:12 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-60776-2

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   |          | 07/26/25 15:12 | 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 |   |          | 07/30/25 02:13 | 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 |   | 07/28/25 08:41 | 07/30/25 02:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     |     | mg/Kg |   | 07/28/25 08:41 | 07/30/25 02:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 07/28/25 08:41 | 07/30/25 02:13 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 94        |           | 70 - 130 |     |       |   | 07/28/25 08:41 | 07/30/25 02:13 | 1       |
| o-Terphenyl (Surr)                   | 93        |           | 70 - 130 |     |       |   | 07/28/25 08:41 | 07/30/25 02:13 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.1  | U         | 10.1 |     | mg/Kg |   |          | 07/28/25 15:13 | 1       |

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

Lab Sample ID: 880-60776-3

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 17:00 | 07/26/25 14:25 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 07/25/25 17:00 | 07/26/25 14:25 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 07/25/25 17:00 | 07/26/25 14:25 | 1       |
| m,p-Xylenes                 | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 07/25/25 17:00 | 07/26/25 14:25 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 07/25/25 17:00 | 07/26/25 14:25 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 07/25/25 17:00 | 07/26/25 14:25 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 137       | S1+       | 70 - 130 |     |       |   | 07/25/25 17:00 | 07/26/25 14:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 117       |           | 70 - 130 |     |       |   | 07/25/25 17:00 | 07/26/25 14:25 | 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 |   |          | 07/26/25 14:25 | 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 |   |          | 07/30/25 02:29 | 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 | <49.7  | U         | 49.7 |     | mg/Kg |   | 07/28/25 08:41 | 07/30/25 02:29 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7  | U         | 49.7 |     | mg/Kg |   | 07/28/25 08:41 | 07/30/25 02:29 | 1       |

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-60776-3

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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) | <49.7     | U         | 49.7     |     | mg/Kg |   | 07/28/25 08:41 | 07/30/25 02:29 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 100       |           | 70 - 130 |     |       |   | 07/28/25 08:41 | 07/30/25 02:29 | 1       |
| o-Terphenyl (Surr)                | 96        |           | 70 - 130 |     |       |   | 07/28/25 08:41 | 07/30/25 02:29 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 30.4   |           | 10.0 |     | mg/Kg |   |          | 07/28/25 15:21 | 1       |

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

Lab Sample ID: 880-60776-4

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

## 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 |   | 07/25/25 17:00 | 07/26/25 14:45 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 17:00 | 07/26/25 14:45 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 17:00 | 07/26/25 14:45 | 1       |
| m,p-Xylenes                 | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 07/25/25 17:00 | 07/26/25 14:45 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 07/25/25 17:00 | 07/26/25 14:45 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 07/25/25 17:00 | 07/26/25 14:45 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 126       |           | 70 - 130 |     |       |   | 07/25/25 17:00 | 07/26/25 14:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |     |       |   | 07/25/25 17:00 | 07/26/25 14:45 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 |     | mg/Kg |   |          | 07/26/25 14:45 | 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 |   |          | 07/30/25 02:45 | 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 |   | 07/28/25 08:41 | 07/30/25 02:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 07/28/25 08:41 | 07/30/25 02:45 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 07/28/25 08:41 | 07/30/25 02:45 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 97        |           | 70 - 130 |     |       |   | 07/28/25 08:41 | 07/30/25 02:45 | 1       |
| o-Terphenyl (Surr)                   | 93        |           | 70 - 130 |     |       |   | 07/28/25 08:41 | 07/30/25 02:45 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 29.9   |           | 9.98 |     | mg/Kg |   |          | 07/28/25 15:28 | 1       |

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

## 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) |  |  |  |  |
| 880-60736-A-101-B MS              | Matrix Spike           | 115                                            | 110      |  |  |  |  |
| 880-60736-A-101-C MSD             | Matrix Spike Duplicate | 117                                            | 117      |  |  |  |  |
| 880-60776-1                       | H-1 (0-0.5')           | 111                                            | 90       |  |  |  |  |
| 880-60776-1 MS                    | H-1 (0-0.5')           | 94                                             | 110      |  |  |  |  |
| 880-60776-1 MSD                   | H-1 (0-0.5')           | 99                                             | 108      |  |  |  |  |
| 880-60776-2                       | H-2 (0-0.5')           | 90                                             | 110      |  |  |  |  |
| 880-60776-3                       | H-3 (0-0.5')           | 137 S1+                                        | 117      |  |  |  |  |
| 880-60776-4                       | H-4 (0-0.5')           | 126                                            | 108      |  |  |  |  |
| LCS 880-114978/1-A                | Lab Control Sample     | 104                                            | 108      |  |  |  |  |
| LCS 880-115040/1-A                | Lab Control Sample     | 91                                             | 105      |  |  |  |  |
| LCSD 880-114978/2-A               | Lab Control Sample Dup | 111                                            | 104      |  |  |  |  |
| LCSD 880-115040/2-A               | Lab Control Sample Dup | 102                                            | 109      |  |  |  |  |
| MB 880-114964/5-A                 | Method Blank           | 160 S1+                                        | 96       |  |  |  |  |
| MB 880-114978/5-A                 | Method Blank           | 152 S1+                                        | 98       |  |  |  |  |
| MB 880-115040/5-A                 | Method Blank           | 99                                             | 97       |  |  |  |  |
| <b>Surrogate Legend</b>           |                        |                                                |          |  |  |  |  |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |          |  |  |  |  |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |          |  |  |  |  |

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

Matrix: Solid

Prep Type: Total/NA

|                             |                        | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|-----------------------------|------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID               | Client Sample ID       | 1CO1                                           | OTPH1    |  |  |  |  |
|                             |                        | (70-130)                                       | (70-130) |  |  |  |  |
| 880-60775-A-1-F MS          | Matrix Spike           | 98                                             | 90       |  |  |  |  |
| 880-60775-A-1-G MSD         | Matrix Spike Duplicate | 96                                             | 88       |  |  |  |  |
| 880-60776-1                 | H-1 (0-0.5')           | 95                                             | 91       |  |  |  |  |
| 880-60776-2                 | H-2 (0-0.5')           | 94                                             | 93       |  |  |  |  |
| 880-60776-3                 | H-3 (0-0.5')           | 100                                            | 96       |  |  |  |  |
| 880-60776-4                 | H-4 (0-0.5')           | 97                                             | 93       |  |  |  |  |
| LCS 880-115092/2-A          | Lab Control Sample     | 118                                            | 110      |  |  |  |  |
| LCSD 880-115092/3-A         | Lab Control Sample Dup | 99                                             | 110      |  |  |  |  |
| MB 880-115092/1-A           | Method Blank           | 98                                             | 104      |  |  |  |  |
| <b>Surrogate Legend</b>     |                        |                                                |          |  |  |  |  |
| 1CO = 1-Chlorooctane (Surr) |                        |                                                |          |  |  |  |  |
| OTPH = o-Terphenyl (Surr)   |                        |                                                |          |  |  |  |  |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

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

Lab Sample ID: MB 880-114964/5-A

Matrix: Solid

Analysis Batch: 114065

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114964

| Analyte        | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 07/24/25 15:11 | 07/25/25 18:41 | 1       |
| Toluene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 07/24/25 15:11 | 07/25/25 18:41 | 1       |
| Ethylbenzene   | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 07/24/25 15:11 | 07/25/25 18:41 | 1       |
| m,p-Xylenes    | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 07/24/25 15:11 | 07/25/25 18:41 | 1       |
| o-Xylene       | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 07/24/25 15:11 | 07/25/25 18:41 | 1       |
| Xylenes, Total | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 07/24/25 15:11 | 07/25/25 18:41 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 160             | S1+             | 70 - 130 | 07/24/25 15:11 | 07/25/25 18:41 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96              |                 | 70 - 130 | 07/24/25 15:11 | 07/25/25 18:41 | 1       |

Lab Sample ID: MB 880-114978/5-A

Matrix: Solid

Analysis Batch: 114065

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114978

| Analyte        | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 07/24/25 15:25 | 07/26/25 06:18 | 1       |
| Toluene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 07/24/25 15:25 | 07/26/25 06:18 | 1       |
| Ethylbenzene   | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 07/24/25 15:25 | 07/26/25 06:18 | 1       |
| m,p-Xylenes    | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 07/24/25 15:25 | 07/26/25 06:18 | 1       |
| o-Xylene       | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 07/24/25 15:25 | 07/26/25 06:18 | 1       |
| Xylenes, Total | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 07/24/25 15:25 | 07/26/25 06:18 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 152             | S1+             | 70 - 130 | 07/24/25 15:25 | 07/26/25 06:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98              |                 | 70 - 130 | 07/24/25 15:25 | 07/26/25 06:18 | 1       |

Lab Sample ID: LCS 880-114978/1-A

Matrix: Solid

Analysis Batch: 114065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114978

| Analyte      | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene      | 0.100          | 0.08492       |                  | mg/Kg |   | 85   | 70 - 130       |
| Toluene      | 0.100          | 0.08201       |                  | mg/Kg |   | 82   | 70 - 130       |
| Ethylbenzene | 0.100          | 0.08732       |                  | mg/Kg |   | 87   | 70 - 130       |
| m,p-Xylenes  | 0.200          | 0.1731        |                  | mg/Kg |   | 87   | 70 - 130       |
| o-Xylene     | 0.100          | 0.08926       |                  | mg/Kg |   | 89   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 104              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-114978/2-A

Matrix: Solid

Analysis Batch: 114065

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114978

| Analyte | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene | 0.100          | 0.08287        |                   | mg/Kg |   | 83   | 70 - 130       | 2   | 35           |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-114978/2-A

Matrix: Solid

Analysis Batch: 114065

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114978

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Toluene      | 0.100       | 0.07368     |                | mg/Kg |   | 74   | 70 - 130    | 11  | 35        |
| Ethylbenzene | 0.100       | 0.08100     |                | mg/Kg |   | 81   | 70 - 130    | 8   | 35        |
| m,p-Xylenes  | 0.200       | 0.1762      |                | mg/Kg |   | 88   | 70 - 130    | 2   | 35        |
| o-Xylene     | 0.100       | 0.09369     |                | mg/Kg |   | 94   | 70 - 130    | 5   | 35        |

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

Lab Sample ID: 880-60736-A-101-B MS

Matrix: Solid

Analysis Batch: 114065

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114978

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene      | <0.00200      | U                | 0.100       | 0.09707   |              | mg/Kg |   | 97   | 70 - 130    |
| Toluene      | <0.00200      | U                | 0.100       | 0.08816   |              | mg/Kg |   | 88   | 70 - 130    |
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.09858   |              | mg/Kg |   | 99   | 70 - 130    |
| m,p-Xylenes  | <0.00399      | U                | 0.200       | 0.2144    |              | mg/Kg |   | 107  | 70 - 130    |
| o-Xylene     | <0.00200      | U                | 0.100       | 0.1098    |              | mg/Kg |   | 110  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 115          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 110          |              | 70 - 130 |

Lab Sample ID: 880-60736-A-101-C MSD

Matrix: Solid

Analysis Batch: 114065

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114978

| 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       | 0.09859    |               | mg/Kg |   | 99   | 70 - 130    | 2   | 35        |
| Toluene      | <0.00200      | U                | 0.100       | 0.08076    |               | mg/Kg |   | 81   | 70 - 130    | 9   | 35        |
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.09294    |               | mg/Kg |   | 93   | 70 - 130    | 6   | 35        |
| m,p-Xylenes  | <0.00399      | U                | 0.200       | 0.1999     |               | mg/Kg |   | 100  | 70 - 130    | 7   | 35        |
| o-Xylene     | <0.00200      | U                | 0.100       | 0.1053     |               | mg/Kg |   | 105  | 70 - 130    | 4   | 35        |

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

Lab Sample ID: MB 880-115040/5-A

Matrix: Solid

Analysis Batch: 115077

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115040

| Analyte      | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene      | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:30 | 1       |
| Toluene      | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:30 | 1       |
| Ethylbenzene | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:30 | 1       |
| m,p-Xylenes  | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:30 | 1       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

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

Lab Sample ID: MB 880-115040/5-A

Matrix: Solid

Analysis Batch: 115077

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115040

| Analyte        | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| o-Xylene       | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:30 | 1       |
| Xylenes, Total | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 07/25/25 11:41 | 07/26/25 14:30 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99              |                 | 70 - 130 | 07/25/25 11:41 | 07/26/25 14:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97              |                 | 70 - 130 | 07/25/25 11:41 | 07/26/25 14:30 | 1       |

Lab Sample ID: LCS 880-115040/1-A

Matrix: Solid

Analysis Batch: 115077

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115040

| Analyte      | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene      | 0.100          | 0.08901       |                  | mg/Kg |   | 89   | 70 - 130       |
| Toluene      | 0.100          | 0.08070       |                  | mg/Kg |   | 81   | 70 - 130       |
| Ethylbenzene | 0.100          | 0.08415       |                  | mg/Kg |   | 84   | 70 - 130       |
| m,p-Xylenes  | 0.200          | 0.1655        |                  | mg/Kg |   | 83   | 70 - 130       |
| o-Xylene     | 0.100          | 0.08490       |                  | mg/Kg |   | 85   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 91               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 105              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-115040/2-A

Matrix: Solid

Analysis Batch: 115077

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115040

| Analyte      | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene      | 0.100          | 0.1058         |                   | mg/Kg |   | 106  | 70 - 130       | 17  | 35           |
| Toluene      | 0.100          | 0.09647        |                   | mg/Kg |   | 96   | 70 - 130       | 18  | 35           |
| Ethylbenzene | 0.100          | 0.1050         |                   | mg/Kg |   | 105  | 70 - 130       | 22  | 35           |
| m,p-Xylenes  | 0.200          | 0.2089         |                   | mg/Kg |   | 104  | 70 - 130       | 23  | 35           |
| o-Xylene     | 0.100          | 0.1038         |                   | mg/Kg |   | 104  | 70 - 130       | 20  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 102               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109               |                   | 70 - 130 |

Lab Sample ID: 880-60776-1 MS

Matrix: Solid

Analysis Batch: 115077

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

Prep Type: Total/NA

Prep Batch: 115040

| Analyte      | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene      | <0.00199         | U                   | 0.100          | 0.09495      |                 | mg/Kg |   | 95   | 70 - 130       |
| Toluene      | <0.00199         | U                   | 0.100          | 0.08369      |                 | mg/Kg |   | 84   | 70 - 130       |
| Ethylbenzene | <0.00199         | U                   | 0.100          | 0.09016      |                 | mg/Kg |   | 90   | 70 - 130       |
| m,p-Xylenes  | <0.00398         | U                   | 0.200          | 0.1777       |                 | mg/Kg |   | 89   | 70 - 130       |
| o-Xylene     | <0.00199         | U                   | 0.100          | 0.08617      |                 | mg/Kg |   | 86   | 70 - 130       |

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-60776-1 MS

Matrix: Solid

Analysis Batch: 115077

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

Prep Type: Total/NA

Prep Batch: 115040

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 110       |           | 70 - 130 |

Lab Sample ID: 880-60776-1 MSD

Matrix: Solid

Analysis Batch: 115077

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

Prep Type: Total/NA

Prep Batch: 115040

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene      | <0.00199      | U                | 0.100       | 0.08503    |               | mg/Kg |   | 85   | 70 - 130    | 11  | 35        |
| Toluene      | <0.00199      | U                | 0.100       | 0.07707    |               | mg/Kg |   | 77   | 70 - 130    | 8   | 35        |
| Ethylbenzene | <0.00199      | U                | 0.100       | 0.08428    |               | mg/Kg |   | 84   | 70 - 130    | 7   | 35        |
| m,p-Xylenes  | <0.00398      | U                | 0.200       | 0.1662     |               | mg/Kg |   | 83   | 70 - 130    | 7   | 35        |
| o-Xylene     | <0.00199      | U                | 0.100       | 0.08186    |               | mg/Kg |   | 82   | 70 - 130    | 5   | 35        |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |

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

Lab Sample ID: MB 880-115092/1-A

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115092

| 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 |   | 07/28/25 08:37 | 07/30/25 00:20 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 |     | mg/Kg |   | 07/28/25 08:37 | 07/30/25 00:20 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 |     | mg/Kg |   | 07/28/25 08:37 | 07/30/25 00:20 | 1       |

|                       | MB        | MB        |          |                |                |         |  |  |  |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|--|--|--|
| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |  |  |  |
| 1-Chlorooctane (Surr) | 98        |           | 70 - 130 | 07/28/25 08:37 | 07/30/25 00:20 | 1       |  |  |  |
| o-Terphenyl (Surr)    | 104       |           | 70 - 130 | 07/28/25 08:37 | 07/30/25 00:20 | 1       |  |  |  |

Lab Sample ID: LCS 880-115092/2-A

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115092

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|--|--|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1024       |               | mg/Kg |   | 102  | 70 - 130    |  |  |
| Diesel Range Organics (Over C10-C28) | 1000        | 969.9      |               | mg/Kg |   | 97   | 70 - 130    |  |  |

|                       | LCS       | LCS       |          |
|-----------------------|-----------|-----------|----------|
| Surrogate             | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane (Surr) | 118       |           | 70 - 130 |
| o-Terphenyl (Surr)    | 110       |           | 70 - 130 |

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-115092/3-A

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115092

| Analyte                              | Spike Added    | LCSD Result    | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 1029           |                | mg/Kg |   | 103  | 70 - 130    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000           | 1031           |                | mg/Kg |   | 103  | 70 - 130    | 6   | 20        |
|                                      |                |                |                |       |   |      |             |     |           |
| Surrogate                            | LCSD %Recovery | LCSD Qualifier | Limits         |       |   |      |             |     |           |
| 1-Chlorooctane (Surr)                | 99             |                | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl (Surr)                   | 110            |                | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: 880-60775-A-1-F MS

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115092

| 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                | 999         | 784.1     |              | mg/Kg |   | 76   | 70 - 130    |     |           |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 999         | 815.3     |              | mg/Kg |   | 82   | 70 - 130    |     |           |
|                                      |               |                  |             |           |              |       |   |      |             |     |           |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |     |           |
| 1-Chlorooctane (Surr)                | 98            |                  | 70 - 130    |           |              |       |   |      |             |     |           |
| o-Terphenyl (Surr)                   | 90            |                  | 70 - 130    |           |              |       |   |      |             |     |           |

Lab Sample ID: 880-60775-A-1-G MSD

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115092

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 999         | 774.2      |               | mg/Kg |   | 75   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 999         | 789.2      |               | mg/Kg |   | 79   | 70 - 130    | 3   | 20        |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane (Surr)                | 96            |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl (Surr)                   | 88            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115119/1-A

Matrix: Solid

Analysis Batch: 115158

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 |   |          | 07/28/25 14:20 | 1       |

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-115119/2-A

Matrix: Solid

Analysis Batch: 115158

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 246.9      |               | mg/Kg |   | 99   | 90 - 110    |

Lab Sample ID: LCSD 880-115119/3-A

Matrix: Solid

Analysis Batch: 115158

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         | 250.6       |                | mg/Kg |   | 100  | 90 - 110    | 1   | 20        |

Lab Sample ID: 880-60775-A-1-I MS

Matrix: Solid

Analysis Batch: 115158

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | <10.1         | U                | 252         | 261.5     |              | mg/Kg |   | 102  | 90 - 110    |

Lab Sample ID: 880-60775-A-1-J MSD

Matrix: Solid

Analysis Batch: 115158

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | <10.1         | U                | 252         | 263.8      |               | mg/Kg |   | 103  | 90 - 110    | 1   | 20        |

## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

## GC VOA

## Analysis Batch: 114065

| Lab Sample ID         | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-----------------------|------------------------|-----------|--------|--------|------------|
| 880-60776-3           | H-3 (0-0.5')           | Total/NA  | Solid  | 8021B  | 114978     |
| 880-60776-4           | H-4 (0-0.5')           | Total/NA  | Solid  | 8021B  | 114978     |
| MB 880-114964/5-A     | Method Blank           | Total/NA  | Solid  | 8021B  | 114964     |
| MB 880-114978/5-A     | Method Blank           | Total/NA  | Solid  | 8021B  | 114978     |
| LCS 880-114978/1-A    | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 114978     |
| LCSD 880-114978/2-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 114978     |
| 880-60736-A-101-B MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 114978     |
| 880-60736-A-101-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 114978     |

## Prep Batch: 114964

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| MB 880-114964/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 114978

| Lab Sample ID         | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-----------------------|------------------------|-----------|--------|--------|------------|
| 880-60776-3           | H-3 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-60776-4           | H-4 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| MB 880-114978/5-A     | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-114978/1-A    | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-114978/2-A   | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-60736-A-101-B MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-60736-A-101-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 115040

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-60776-1         | H-1 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-60776-2         | H-2 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| MB 880-115040/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-115040/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-115040/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-60776-1 MS      | H-1 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-60776-1 MSD     | H-1 (0-0.5')           | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 115077

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-60776-1         | H-1 (0-0.5')           | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60776-2         | H-2 (0-0.5')           | Total/NA  | Solid  | 8021B  | 115040     |
| MB 880-115040/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 115040     |
| LCS 880-115040/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 115040     |
| LCSD 880-115040/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60776-1 MS      | H-1 (0-0.5')           | Total/NA  | Solid  | 8021B  | 115040     |
| 880-60776-1 MSD     | H-1 (0-0.5')           | Total/NA  | Solid  | 8021B  | 115040     |

## Analysis Batch: 115231

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-60776-1   | H-1 (0-0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-60776-2   | H-2 (0-0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-60776-3   | H-3 (0-0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-60776-4   | H-4 (0-0.5')     | Total/NA  | Solid  | Total BTEX |            |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

## GC Semi VOA

## Prep Batch: 115092

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-60776-1         | H-1 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60776-2         | H-2 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60776-3         | H-3 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60776-4         | H-4 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-115092/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-115092/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-115092/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60775-A-1-F MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-60775-A-1-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 115272

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-60776-1         | H-1 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 115092     |
| 880-60776-2         | H-2 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 115092     |
| 880-60776-3         | H-3 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 115092     |
| 880-60776-4         | H-4 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 115092     |
| MB 880-115092/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 115092     |
| LCS 880-115092/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 115092     |
| LCSD 880-115092/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 115092     |
| 880-60775-A-1-F MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 115092     |
| 880-60775-A-1-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 115092     |

## Analysis Batch: 115385

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-60776-1   | H-1 (0-0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-60776-2   | H-2 (0-0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-60776-3   | H-3 (0-0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-60776-4   | H-4 (0-0.5')     | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 115119

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-60776-1         | H-1 (0-0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-60776-2         | H-2 (0-0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-60776-3         | H-3 (0-0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-60776-4         | H-4 (0-0.5')           | Soluble   | Solid  | DI Leach |            |
| MB 880-115119/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-115119/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-115119/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-60775-A-1-I MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-60775-A-1-J MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 115158

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 880-60776-1        | H-1 (0-0.5')       | Soluble   | Solid  | 300.0  | 115119     |
| 880-60776-2        | H-2 (0-0.5')       | Soluble   | Solid  | 300.0  | 115119     |
| 880-60776-3        | H-3 (0-0.5')       | Soluble   | Solid  | 300.0  | 115119     |
| 880-60776-4        | H-4 (0-0.5')       | Soluble   | Solid  | 300.0  | 115119     |
| MB 880-115119/1-A  | Method Blank       | Soluble   | Solid  | 300.0  | 115119     |
| LCS 880-115119/2-A | Lab Control Sample | Soluble   | Solid  | 300.0  | 115119     |

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QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 115158 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| LCSD 880-115119/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 115119     |
| 880-60775-A-1-I MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 115119     |
| 880-60775-A-1-J MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 115119     |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-60776-1

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115077       | 07/26/25 14:52       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115231       | 07/26/25 14:52       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115385       | 07/30/25 01:56       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10 mL        | 115092       | 07/28/25 08:41       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115272       | 07/30/25 01:56       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 115119       | 07/28/25 10:29       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115158       | 07/28/25 15:06       | CS      | EET MID |

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

Lab Sample ID: 880-60776-2

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 115040       | 07/25/25 11:41       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 115077       | 07/26/25 15:12       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115231       | 07/26/25 15:12       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115385       | 07/30/25 02:13       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 115092       | 07/28/25 08:41       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115272       | 07/30/25 02:13       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 115119       | 07/28/25 10:29       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115158       | 07/28/25 15:13       | CS      | EET MID |

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

Lab Sample ID: 880-60776-3

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 114978       | 07/25/25 17:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 114065       | 07/26/25 14:25       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115231       | 07/26/25 14:25       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115385       | 07/30/25 02:29       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.07 g        | 10 mL        | 115092       | 07/28/25 08:41       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115272       | 07/30/25 02:29       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 115119       | 07/28/25 10:29       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115158       | 07/28/25 15:21       | CS      | EET MID |

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

Lab Sample ID: 880-60776-4

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

| 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         | 114978       | 07/25/25 17:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 114065       | 07/26/25 14:45       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 115231       | 07/26/25 14:45       | SA      | EET MID |

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

Client Sample ID: H-4 (0-0.5')  
Date Collected: 07/24/25 00:00  
Date Received: 07/25/25 09:35

Lab Sample ID: 880-60776-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 115385       | 07/30/25 02:45       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 115092       | 07/28/25 08:41       | FC      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 115272       | 07/30/25 02:45       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 115119       | 07/28/25 10:29       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 115158       | 07/28/25 15:28       | CS      | EET MID |

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

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Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

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            | 06-30-26        |
| 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: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

| 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: Young Federal 1

Job ID: 880-60776-1  
SDG: Lea County, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-60776-1   | H-1 (0-0.5')     | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60776-2   | H-2 (0-0.5')     | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60776-3   | H-3 (0-0.5')     | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |
| 880-60776-4   | H-4 (0-0.5')     | Solid  | 07/24/25 00:00 | 07/25/25 09:35 |

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## Chain of Custody



880-60776 Chain of Custody

Page 1 of 1

|                                    |  |                                      |  |                   |  |
|------------------------------------|--|--------------------------------------|--|-------------------|--|
| Project Manager: Ashton Thielke    |  | Bill to: (if different)              |  | Carmona Resources |  |
| Company Name: Carmona Resources    |  | Company Name:                        |  |                   |  |
| Address: 310 West Wall Ste. 500    |  | Address:                             |  |                   |  |
| City, State ZIP: Midland, TX 79701 |  | City, State ZIP:                     |  |                   |  |
| Phone: 432-813-8988                |  | Email: ThielkeA@Carmonaresources.com |  |                   |  |

| ANALYSIS REQUEST                   |  |                                                                           |  |                      |  |  |  |  |  | Preservative Codes                                                |  |
|------------------------------------|--|---------------------------------------------------------------------------|--|----------------------|--|--|--|--|--|-------------------------------------------------------------------|--|
| Project Name: Young Federal 1      |  | Turn Around                                                               |  | Pres. Code           |  |  |  |  |  | None: NO                                                          |  |
| Project Number: 2787               |  | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush |  |                      |  |  |  |  |  | Cool: Cool                                                        |  |
| Project Location: Lea Co, NM       |  | Due Date: Normal                                                          |  |                      |  |  |  |  |  | HCL: HC                                                           |  |
| Sampler's Name: GPJ/FV             |  | TAT starts the day received by the lab, if received by 4:30pm             |  |                      |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  |
| PO #:                              |  |                                                                           |  |                      |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |
| SAMPLE RECEIPT                     |  | Temp Blank: Yes (No) No                                                   |  | Wet Ice: Yes (No) No |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |  |
| Received Intact: Yes (No) No       |  | Thermometer ID: TRS                                                       |  |                      |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |
| Cooler Custody Seals: Yes (No) N/A |  | Correction Factor: -5.5                                                   |  |                      |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |  |
| Sample Custody Seals: Yes (No) N/A |  | Temperature Reading: -5.5                                                 |  |                      |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC                                          |  |
| Total Containers:                  |  | Corrected Temperature: -5.6                                               |  |                      |  |  |  |  |  |                                                                   |  |

| Sample Identification | Date      | Time | Soil | Water | Grab/Comp | # of Cont |
|-----------------------|-----------|------|------|-------|-----------|-----------|
| H-1 (0-0.5')          | 7/24/2025 |      | X    |       | G         | 1         |
| H-2 (0-0.5')          | 7/24/2025 |      | X    |       | G         | 1         |
| H-3 (0-0.5')          | 7/24/2025 |      | X    |       | G         | 1         |
| H-4 (0-0.5')          | 7/24/2025 |      | X    |       | G         | 1         |

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i>         | <i>[Signature]</i>       | 7/25/25 0935 |                              |                          |           |
| 3                            |                          |              |                              |                          |           |
| 5                            |                          |              |                              |                          |           |

Revised Date 05/10/2020 Rev. 2020.1

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-60776-1  
SDG Number: Lea County, NM

Login Number: 60776

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    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ashton Thielke  
Carmona Resources  
310 W Wall St  
Ste 500  
Midland, Texas 79701

Generated 8/28/2025 1:28:50 PM

## JOB DESCRIPTION

Young Federal 1  
Lea County NM

## JOB NUMBER

890-8727-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



Generated  
8/28/2025 1:28:50 PM

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

Client: Carmona Resources  
Project/Site: Young Federal 1

Laboratory Job ID: 890-8727-1  
SDG: Lea County NM

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Definitions/Glossary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Qualifiers

GC VOA

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

HPLC/IC

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

Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: Young Federal 1

Job ID: 890-8727-1

**Job ID: 890-8727-1**

**Eurofins Carlsbad**

### Job Narrative 890-8727-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

### Receipt

The samples were received on 8/27/2025 3:08 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

### GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-117741 and analytical batch 880-117667 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-2 (1.5) (890-8727-2), SW-1 (1.5) (890-8727-7), SW-5 (2.5) (890-8727-11), SW-6 (2.5) (890-8727-12), SW-7 (1.5-2.5) (890-8727-13), SW-8 (1.5) (890-8727-14) and SW-9 (1.5) (890-8727-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-117667 recovered below the lower control limit for Ethylbenzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-117667/33).

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-10 (1.5) (890-8727-16). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with analytical batch 880-117667 was outside the upper control limits.

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

### Diesel Range Organics

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

### HPLC/IC

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

Eurofins Carlsbad

## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Client Sample ID: CS-1 (1.5)

Lab Sample ID: 890-8727-1

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 02:02 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:02 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:02 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:02 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:02 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:02 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 02:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 02:02 | 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 |   |          | 08/28/25 02:02 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 |     | mg/Kg |   |          | 08/28/25 03:15 | 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 | <49.8  | U         | 49.8 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 03:15 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 03:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 03:15 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 85        |           | 70 - 130 | 08/27/25 20:48 | 08/28/25 03:15 | 1       |
| o-Terphenyl (Surr)    | 83        |           | 70 - 130 | 08/27/25 20:48 | 08/28/25 03:15 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.0  | U         | 10.0 |     | mg/Kg |   |          | 08/28/25 09:38 | 1       |

Client Sample ID: CS-2 (1.5)

Lab Sample ID: 890-8727-2

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 02:23 | 1       |
| Toluene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:23 | 1       |
| Ethylbenzene   | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:23 | 1       |
| m,p-Xylenes    | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:23 | 1       |
| o-Xylene       | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:23 | 1       |
| Xylenes, Total | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:23 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 251       | S1+       | 70 - 130 | 08/27/25 20:00 | 08/28/25 02:23 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 02:23 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Client Sample ID: CS-2 (1.5)

Lab Sample ID: 890-8727-2

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   |          | 08/28/25 02:23 | 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 |   |          | 08/28/25 04:01 | 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 |   | 08/27/25 20:48 | 08/28/25 04:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.2     | U         | 50.2     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 04:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.2     | U         | 50.2     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 04:01 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 84        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 04:01 | 1       |
| o-Terphenyl (Surr)                   | 82        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 04:01 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 90.4   |           | 9.90 |     | mg/Kg |   |          | 08/28/25 09:43 | 1       |

Client Sample ID: CS-3 (2.5)

Lab Sample ID: 890-8727-3

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 02:43 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:43 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:43 | 1       |
| m,p-Xylenes                 | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:43 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:43 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 02:43 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 124       |           | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 02:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 115       |           | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 02:43 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 |     | mg/Kg |   |          | 08/28/25 02:43 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 08/28/25 04:17 | 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 |   | 08/27/25 20:48 | 08/28/25 04:17 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 04:17 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

## Client Sample ID: CS-3 (2.5)

Lab Sample ID: 890-8727-3

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:48 | 08/28/25 04:17 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 82        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 04:17 | 1       |
| o-Terphenyl (Surr)                | 81        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 04:17 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 19.8   |           | 10.0 |     | mg/Kg |   |          | 08/28/25 09:49 | 1       |

## Client Sample ID: CS-4 (2.5)

Lab Sample ID: 890-8727-4

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 03:03 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:03 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:03 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:03 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:03 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:03 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 125       |           | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 03:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 112       |           | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 03:03 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 08/28/25 03:03 | 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 |   |          | 08/28/25 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 | <49.9     | U         | 49.9     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 04:32 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 04:32 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 04:32 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 84        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 04:32 | 1       |
| o-Terphenyl (Surr)                   | 82        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 04:32 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <9.96  | U         | 9.96 |     | mg/Kg |   |          | 08/28/25 10:06 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Client Sample ID: CS-5 (1.5)

Lab Sample ID: 890-8727-5

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 03:24 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:24 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:24 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:24 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:24 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:24 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 130       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 03:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 110       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 03:24 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 08/28/25 03:24 | 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 |   |          | 08/28/25 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 | <49.8  | U         | 49.8 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 04:47 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 04:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 04:47 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 83        |           | 70 - 130 | 08/27/25 20:48 | 08/28/25 04:47 | 1       |
| o-Terphenyl (Surr)    | 82        |           | 70 - 130 | 08/27/25 20:48 | 08/28/25 04:47 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.1  | U         | 10.1 |     | mg/Kg |   |          | 08/28/25 10:12 | 1       |

Client Sample ID: CS-6 (1.5)

Lab Sample ID: 890-8727-6

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 03:44 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:44 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:44 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:44 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:44 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 03:44 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 130       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 03:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 117       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 03:44 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Client Sample ID: CS-6 (1.5)

Lab Sample ID: 890-8727-6

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   |          | 08/28/25 03:44 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 08/28/25 05:03 | 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 |   | 08/27/25 20:48 | 08/28/25 05:03 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 05:03 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 05:03 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 80        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 05:03 | 1       |
| o-Terphenyl (Surr)                   | 77        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 05:03 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.1  | U         | 10.1 |     | mg/Kg |   |          | 08/28/25 10:17 | 1       |

Client Sample ID: SW-1 (1.5)

Lab Sample ID: 890-8727-7

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 04:05 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 04:05 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 04:05 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 04:05 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 04:05 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 04:05 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 148       | S1+       | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 04:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 118       |           | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 04:05 | 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 |   |          | 08/28/25 04:05 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.1  | U         | 50.1 |     | mg/Kg |   |          | 08/28/25 05:18 | 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 |   | 08/27/25 20:48 | 08/28/25 05:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 05:18 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Client Sample ID: SW-1 (1.5)

Lab Sample ID: 890-8727-7

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:48 | 08/28/25 05:18 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 82        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 05:18 | 1       |
| o-Terphenyl (Surr)                | 80        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 05:18 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <9.98  | U         | 9.98 |     | mg/Kg |   |          | 08/28/25 10:23 | 1       |

Client Sample ID: SW-2 (1.5)

Lab Sample ID: 890-8727-8

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 05:55 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 05:55 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 05:55 | 1       |
| m,p-Xylenes                 | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 05:55 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 05:55 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 05:55 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 05:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 05:55 | 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 |   |          | 08/28/25 05:55 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.2  | U         | 50.2 |     | mg/Kg |   |          | 08/28/25 05:33 | 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 | <50.2     | U         | 50.2     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 05:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.2     | U         | 50.2     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 05:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.2     | U         | 50.2     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 05:33 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 84        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 05:33 | 1       |
| o-Terphenyl (Surr)                   | 80        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 05:33 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 169    |           | 10.1 |     | mg/Kg |   |          | 08/28/25 10:29 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Client Sample ID: SW-3 (1.5)

Lab Sample ID: 890-8727-9

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 06:15 | 1       |
| Toluene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:15 | 1       |
| Ethylbenzene   | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:15 | 1       |
| m,p-Xylenes    | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:15 | 1       |
| o-Xylene       | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:15 | 1       |
| Xylenes, Total | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:15 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 123       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 06:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 117       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 06:15 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 |     | mg/Kg |   |          | 08/28/25 06:15 | 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 |   |          | 08/28/25 05:49 | 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 | <50.3  | U         | 50.3 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 05:49 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.3  | U         | 50.3 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 05:49 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.3  | U         | 50.3 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 05:49 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 78        |           | 70 - 130 | 08/27/25 20:48 | 08/28/25 05:49 | 1       |
| o-Terphenyl (Surr)    | 77        |           | 70 - 130 | 08/27/25 20:48 | 08/28/25 05:49 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 10.3   |           | 10.1 |     | mg/Kg |   |          | 08/28/25 10:34 | 1       |

Client Sample ID: SW-4 (1.5-2.5)

Lab Sample ID: 890-8727-10

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 06:35 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:35 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:35 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:35 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:35 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:35 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 127       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 06:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 111       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 06:35 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Client Sample ID: SW-4 (1.5-2.5)

Lab Sample ID: 890-8727-10

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   |          | 08/28/25 06:35 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 08/28/25 06:05 | 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 |   | 08/27/25 20:48 | 08/28/25 06:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 06:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 06:05 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 81        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 06:05 | 1       |
| o-Terphenyl (Surr)                   | 78        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 06:05 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 92.3   |           | 9.98 |     | mg/Kg |   |          | 08/28/25 10:51 | 1       |

Client Sample ID: SW-5 (2.5)

Lab Sample ID: 890-8727-11

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 06:56 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:56 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:56 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:56 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:56 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 06:56 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 160       | S1+       | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 06:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 120       |           | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 06:56 | 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 |   |          | 08/28/25 06:56 | 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 |   |          | 08/28/25 06:36 | 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 | <49.8  | U         | 49.8 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 06:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 06:36 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Client Sample ID: SW-5 (2.5)

Lab Sample ID: 890-8727-11

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:48 | 08/28/25 06:36 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 82        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 06:36 | 1       |
| o-Terphenyl (Surr)                | 81        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 06:36 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 19.0   |           | 10.1 |     | mg/Kg |   |          | 08/28/25 10:57 | 1       |

Client Sample ID: SW-6 (2.5)

Lab Sample ID: 890-8727-12

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 07:16 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:16 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:16 | 1       |
| m,p-Xylenes                 | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:16 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:16 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:16 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 133       | S1+       | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 07:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 114       |           | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 07:16 | 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 |   |          | 08/28/25 07:16 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 08/28/25 06:51 | 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 |   | 08/27/25 20:48 | 08/28/25 06:51 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 06:51 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 06:51 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 83        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 06:51 | 1       |
| o-Terphenyl (Surr)                   | 80        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 06:51 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 18.8   |           | 10.1 |     | mg/Kg |   |          | 08/28/25 11:14 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Client Sample ID: SW-7 (1.5-2.5)

Lab Sample ID: 890-8727-13

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 07:37 | 1       |
| Toluene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:37 | 1       |
| Ethylbenzene   | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:37 | 1       |
| m,p-Xylenes    | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:37 | 1       |
| o-Xylene       | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:37 | 1       |
| Xylenes, Total | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:37 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 398       | S1+       | 70 - 130 | 08/27/25 20:00 | 08/28/25 07:37 | 1       |
| 1,4-Difluorobenzene (Surr)  | 129       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 07:37 | 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 |   |          | 08/28/25 07:37 | 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 |   |          | 08/28/25 07:07 | 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 |   | 08/27/25 20:48 | 08/28/25 07:07 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.6  | U         | 49.6 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 07:07 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.6  | U         | 49.6 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 07:07 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 77        |           | 70 - 130 | 08/27/25 20:48 | 08/28/25 07:07 | 1       |
| o-Terphenyl (Surr)    | 75        |           | 70 - 130 | 08/27/25 20:48 | 08/28/25 07:07 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 9.90   |           | 9.90 |     | mg/Kg |   |          | 08/28/25 11:20 | 1       |

Client Sample ID: SW-8 (1.5)

Lab Sample ID: 890-8727-14

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 07:57 | 1       |
| Toluene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:57 | 1       |
| Ethylbenzene   | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:57 | 1       |
| m,p-Xylenes    | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:57 | 1       |
| o-Xylene       | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:57 | 1       |
| Xylenes, Total | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 07:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 137       | S1+       | 70 - 130 | 08/27/25 20:00 | 08/28/25 07:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 114       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 07:57 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Client Sample ID: SW-8 (1.5)

Lab Sample ID: 890-8727-14

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   |          | 08/28/25 07:57 | 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 |   |          | 08/28/25 07:22 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.2     | U         | 50.2     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 07:22 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.2     | U         | 50.2     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 07:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.2     | U         | 50.2     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 07:22 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 83        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 07:22 | 1       |
| o-Terphenyl (Surr)                   | 82        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 07:22 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 15.3   |           | 10.1 |     | mg/Kg |   |          | 08/28/25 11:25 | 1       |

Client Sample ID: SW-9 (1.5)

Lab Sample ID: 890-8727-15

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 08:18 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:18 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:18 | 1       |
| m,p-Xylenes                 | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:18 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:18 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:18 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 147       | S1+       | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 08:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 119       |           | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 08:18 | 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 |   |          | 08/28/25 08:18 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 08/28/25 07:38 | 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 | <49.9  | U         | 49.9 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 07:38 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 07:38 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Client Sample ID: SW-9 (1.5)

Lab Sample ID: 890-8727-15

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:48 | 08/28/25 07:38 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)             | 86        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 07:38 | 1       |
| o-Terphenyl (Surr)                | 85        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 07:38 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.1  | U         | 10.1 |     | mg/Kg |   |          | 08/28/25 11:31 | 1       |

Client Sample ID: SW-10 (1.5)

Lab Sample ID: 890-8727-16

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

## 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 |   | 08/27/25 20:00 | 08/28/25 08:38 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:38 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:38 | 1       |
| m,p-Xylenes                 | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:38 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:38 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:38 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 309       | S1+       | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 08:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 59        | S1-       | 70 - 130 |     |       |   | 08/27/25 20:00 | 08/28/25 08:38 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 08/28/25 08:38 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 08/28/25 07:53 | 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 | <50.0     | U         | 50.0     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 07:53 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 07:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 07:53 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 75        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 07:53 | 1       |
| o-Terphenyl (Surr)                   | 73        |           | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 07:53 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 11.4   |           | 9.96 |     | mg/Kg |   |          | 08/28/25 11:37 | 1       |

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

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

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-61995-A-1-C MS                | Matrix Spike           | 104                                            | 97                |
| 880-61995-A-1-D MSD               | Matrix Spike Duplicate | 103                                            | 108               |
| 890-8727-1                        | CS-1 (1.5)             | 115                                            | 113               |
| 890-8727-2                        | CS-2 (1.5)             | 251 S1+                                        | 106               |
| 890-8727-3                        | CS-3 (2.5)             | 124                                            | 115               |
| 890-8727-4                        | CS-4 (2.5)             | 125                                            | 112               |
| 890-8727-5                        | CS-5 (1.5)             | 130                                            | 110               |
| 890-8727-6                        | CS-6 (1.5)             | 130                                            | 117               |
| 890-8727-7                        | SW-1 (1.5)             | 148 S1+                                        | 118               |
| 890-8727-8                        | SW-2 (1.5)             | 106                                            | 109               |
| 890-8727-9                        | SW-3 (1.5)             | 123                                            | 117               |
| 890-8727-10                       | SW-4 (1.5-2.5)         | 127                                            | 111               |
| 890-8727-11                       | SW-5 (2.5)             | 160 S1+                                        | 120               |
| 890-8727-12                       | SW-6 (2.5)             | 133 S1+                                        | 114               |
| 890-8727-13                       | SW-7 (1.5-2.5)         | 398 S1+                                        | 129               |
| 890-8727-14                       | SW-8 (1.5)             | 137 S1+                                        | 114               |
| 890-8727-15                       | SW-9 (1.5)             | 147 S1+                                        | 119               |
| 890-8727-16                       | SW-10 (1.5)            | 309 S1+                                        | 59 S1-            |
| LCS 880-117741/1-A                | Lab Control Sample     | 105                                            | 100               |
| LCSD 880-117741/2-A               | Lab Control Sample Dup | 114                                            | 102               |
| MB 880-117667/8                   | Method Blank           | 177 S1+                                        | 92                |
| MB 880-117741/5-A                 | Method Blank           | 197 S1+                                        | 100               |
| <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) |
| 890-8727-1     | CS-1 (1.5)       | 85                                             | 83                |
| 890-8727-1 MS  | CS-1 (1.5)       | 81                                             | 87                |
| 890-8727-1 MSD | CS-1 (1.5)       | 96                                             | 85                |
| 890-8727-2     | CS-2 (1.5)       | 84                                             | 82                |
| 890-8727-3     | CS-3 (2.5)       | 82                                             | 81                |
| 890-8727-4     | CS-4 (2.5)       | 84                                             | 82                |
| 890-8727-5     | CS-5 (1.5)       | 83                                             | 82                |
| 890-8727-6     | CS-6 (1.5)       | 80                                             | 77                |
| 890-8727-7     | SW-1 (1.5)       | 82                                             | 80                |
| 890-8727-8     | SW-2 (1.5)       | 84                                             | 80                |
| 890-8727-9     | SW-3 (1.5)       | 78                                             | 77                |
| 890-8727-10    | SW-4 (1.5-2.5)   | 81                                             | 78                |
| 890-8727-11    | SW-5 (2.5)       | 82                                             | 81                |
| 890-8727-12    | SW-6 (2.5)       | 83                                             | 80                |
| 890-8727-13    | SW-7 (1.5-2.5)   | 77                                             | 75                |
| 890-8727-14    | SW-8 (1.5)       | 83                                             | 82                |
| 890-8727-15    | SW-9 (1.5)       | 86                                             | 85                |

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Surrogate Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

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) |
| 890-8727-16                 | SW-10 (1.5)            | 75                                             | 73                |
| LCS 880-117749/2-A          | Lab Control Sample     | 106                                            | 121               |
| LCSD 880-117749/3-A         | Lab Control Sample Dup | 105                                            | 120               |
| MB 880-117749/1-A           | Method Blank           | 90                                             | 93                |
| Surrogate Legend            |                        |                                                |                   |
| 1CO = 1-Chlorooctane (Surr) |                        |                                                |                   |
| OTPH = o-Terphenyl (Surr)   |                        |                                                |                   |

## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

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

Lab Sample ID: MB 880-117667/8

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte        | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|---------|-----|-------|---|----------|----------------|---------|
| Benzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   |          | 08/27/25 12:55 | 1       |
| Toluene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   |          | 08/27/25 12:55 | 1       |
| Ethylbenzene   | <0.00200     | U               | 0.00200 |     | mg/Kg |   |          | 08/27/25 12:55 | 1       |
| m,p-Xylenes    | <0.00400     | U               | 0.00400 |     | mg/Kg |   |          | 08/27/25 12:55 | 1       |
| o-Xylene       | <0.00200     | U               | 0.00200 |     | mg/Kg |   |          | 08/27/25 12:55 | 1       |
| Xylenes, Total | <0.00400     | U               | 0.00400 |     | mg/Kg |   |          | 08/27/25 12:55 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 177             | S1+             | 70 - 130 |          | 08/27/25 12:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92              |                 | 70 - 130 |          | 08/27/25 12:55 | 1       |

Lab Sample ID: MB 880-117741/5-A

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117741

| Analyte        | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 08/27/25 16:19 | 08/28/25 00:32 | 1       |
| Toluene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 08/27/25 16:19 | 08/28/25 00:32 | 1       |
| Ethylbenzene   | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 08/27/25 16:19 | 08/28/25 00:32 | 1       |
| m,p-Xylenes    | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 08/27/25 16:19 | 08/28/25 00:32 | 1       |
| o-Xylene       | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 08/27/25 16:19 | 08/28/25 00:32 | 1       |
| Xylenes, Total | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 08/27/25 16:19 | 08/28/25 00:32 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 197             | S1+             | 70 - 130 | 08/27/25 16:19 | 08/28/25 00:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100             |                 | 70 - 130 | 08/27/25 16:19 | 08/28/25 00:32 | 1       |

Lab Sample ID: LCS 880-117741/1-A

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117741

| Analyte      | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene      | 0.100          | 0.08314       |                  | mg/Kg |   | 83   | 70 - 130       |
| Toluene      | 0.100          | 0.07803       |                  | mg/Kg |   | 78   | 70 - 130       |
| Ethylbenzene | 0.100          | 0.07900       |                  | mg/Kg |   | 79   | 70 - 130       |
| m,p-Xylenes  | 0.200          | 0.1560        |                  | mg/Kg |   | 78   | 70 - 130       |
| o-Xylene     | 0.100          | 0.09049       |                  | mg/Kg |   | 90   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 105              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-117741/2-A

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117741

| Analyte | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene | 0.100          | 0.09194        |                   | mg/Kg |   | 92   | 70 - 130       | 10  | 35           |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-117741/2-A

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117741

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Toluene      | 0.100       | 0.08220     |                | mg/Kg |   | 82   | 70 - 130    | 5   | 35        |
| Ethylbenzene | 0.100       | 0.09925     |                | mg/Kg |   | 99   | 70 - 130    | 23  | 35        |
| m,p-Xylenes  | 0.200       | 0.1973      |                | mg/Kg |   | 99   | 70 - 130    | 23  | 35        |
| o-Xylene     | 0.100       | 0.09568     |                | mg/Kg |   | 96   | 70 - 130    | 6   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 114            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102            |                | 70 - 130 |

Lab Sample ID: 880-61995-A-1-C MS

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 117741

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene      | <0.00200      | U                | 0.100       | 0.08426   |              | mg/Kg |   | 84   | 70 - 130    |
| Toluene      | <0.00200      | U                | 0.100       | 0.08335   |              | mg/Kg |   | 83   | 70 - 130    |
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.08086   |              | mg/Kg |   | 81   | 70 - 130    |
| m,p-Xylenes  | <0.00399      | U                | 0.200       | 0.1592    |              | mg/Kg |   | 80   | 70 - 130    |
| o-Xylene     | <0.00200      | U                | 0.100       | 0.08272   |              | mg/Kg |   | 83   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 104          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97           |              | 70 - 130 |

Lab Sample ID: 880-61995-A-1-D MSD

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 117741

| 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       | 0.09274    |               | mg/Kg |   | 93   | 70 - 130    | 10  | 35        |
| Toluene      | <0.00200      | U                | 0.100       | 0.08298    |               | mg/Kg |   | 83   | 70 - 130    | 0   | 35        |
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.07980    |               | mg/Kg |   | 80   | 70 - 130    | 1   | 35        |
| m,p-Xylenes  | <0.00399      | U                | 0.200       | 0.1668     |               | mg/Kg |   | 83   | 70 - 130    | 5   | 35        |
| o-Xylene     | <0.00200      | U                | 0.100       | 0.08953    |               | mg/Kg |   | 90   | 70 - 130    | 8   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 103           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108           |               | 70 - 130 |

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

Lab Sample ID: MB 880-117749/1-A

Matrix: Solid

Analysis Batch: 117681

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117749

| 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 |   | 08/27/25 20:48 | 08/28/25 02:28 | 1       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

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

Lab Sample ID: MB 880-117749/1-A

Matrix: Solid

Analysis Batch: 117681

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117749

| Analyte                              | MB<br>Result    | MB<br>Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0           | U               | 50.0     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 02:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0           | U               | 50.0     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 02:28 | 1       |
| Surrogate                            | MB<br>%Recovery | MB<br>Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 90              |                 | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 02:28 | 1       |
| o-Terphenyl (Surr)                   | 93              |                 | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 02:28 | 1       |

Lab Sample ID: LCS 880-117749/2-A

Matrix: Solid

Analysis Batch: 117681

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117749

| Analyte                              | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000             | 1045             |                  | mg/Kg |   | 104  | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 1000             | 1057             |                  | mg/Kg |   | 106  | 70 - 130       |
| Surrogate                            | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 1-Chlorooctane (Surr)                | 106              |                  | 70 - 130         |       |   |      |                |
| o-Terphenyl (Surr)                   | 121              |                  | 70 - 130         |       |   |      |                |

Lab Sample ID: LCSD 880-117749/3-A

Matrix: Solid

Analysis Batch: 117681

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117749

| Analyte                              | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000              | 1065              |                   | mg/Kg |   | 107  | 70 - 130       | 2   | 20           |
| Diesel Range Organics (Over C10-C28) | 1000              | 1084              |                   | mg/Kg |   | 108  | 70 - 130       | 3   | 20           |
| Surrogate                            | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |       |   |      |                |     |              |
| 1-Chlorooctane (Surr)                | 105               |                   | 70 - 130          |       |   |      |                |     |              |
| o-Terphenyl (Surr)                   | 120               |                   | 70 - 130          |       |   |      |                |     |              |

Lab Sample ID: 890-8727-1 MS

Matrix: Solid

Analysis Batch: 117681

Client Sample ID: CS-1 (1.5)

Prep Type: Total/NA

Prep Batch: 117749

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8            | U                   | 1000           | 883.4        |                 | mg/Kg |   | 88   | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | <49.8            | U                   | 1000           | 944.1        |                 | mg/Kg |   | 94   | 70 - 130       |
| Surrogate                            | MS<br>%Recovery  | MS<br>Qualifier     | Limits         |              |                 |       |   |      |                |
| 1-Chlorooctane (Surr)                | 81               |                     | 70 - 130       |              |                 |       |   |      |                |
| o-Terphenyl (Surr)                   | 87               |                     | 70 - 130       |              |                 |       |   |      |                |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

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

Lab Sample ID: 890-8727-1 MSD

Matrix: Solid

Analysis Batch: 117681

Client Sample ID: CS-1 (1.5)

Prep Type: Total/NA

Prep Batch: 117749

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8         | U                | 1000        | 895.7      |               | mg/Kg |   | 89   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.8         | U                | 1000        | 898.7      |               | mg/Kg |   | 90   | 70 - 130    | 5   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane (Surr)                | 96            |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl (Surr)                   | 85            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-117752/1-A

Matrix: Solid

Analysis Batch: 117782

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 |   |          | 08/28/25 08:46 | 1       |

Lab Sample ID: LCS 880-117752/2-A

Matrix: Solid

Analysis Batch: 117782

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 227.3      |               | mg/Kg |   | 91   | 90 - 110    |

Lab Sample ID: LCSD 880-117752/3-A

Matrix: Solid

Analysis Batch: 117782

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         | 225.4       |                | mg/Kg |   | 90   | 90 - 110    | 1   | 20        |

Lab Sample ID: 890-8727-9 MS

Matrix: Solid

Analysis Batch: 117782

Client Sample ID: SW-3 (1.5)

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 10.3          |                  | 253         | 244.5     |              | mg/Kg |   | 93   | 90 - 110    |

Lab Sample ID: 890-8727-9 MSD

Matrix: Solid

Analysis Batch: 117782

Client Sample ID: SW-3 (1.5)

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 10.3          |                  | 253         | 242.6      |               | mg/Kg |   | 92   | 90 - 110    | 1   | 20        |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

## GC VOA

## Analysis Batch: 117667

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8727-1          | CS-1 (1.5)             | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-2          | CS-2 (1.5)             | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-3          | CS-3 (2.5)             | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-4          | CS-4 (2.5)             | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-5          | CS-5 (1.5)             | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-6          | CS-6 (1.5)             | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-7          | SW-1 (1.5)             | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-8          | SW-2 (1.5)             | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-9          | SW-3 (1.5)             | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-10         | SW-4 (1.5-2.5)         | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-11         | SW-5 (2.5)             | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-12         | SW-6 (2.5)             | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-13         | SW-7 (1.5-2.5)         | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-14         | SW-8 (1.5)             | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-15         | SW-9 (1.5)             | Total/NA  | Solid  | 8021B  | 117741     |
| 890-8727-16         | SW-10 (1.5)            | Total/NA  | Solid  | 8021B  | 117741     |
| MB 880-117667/8     | Method Blank           | Total/NA  | Solid  | 8021B  |            |
| MB 880-117741/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 117741     |
| LCS 880-117741/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 117741     |
| LCSD 880-117741/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 117741     |
| 880-61995-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 117741     |
| 880-61995-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 117741     |

## Prep Batch: 117741

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8727-1          | CS-1 (1.5)             | Total/NA  | Solid  | 5035   |            |
| 890-8727-2          | CS-2 (1.5)             | Total/NA  | Solid  | 5035   |            |
| 890-8727-3          | CS-3 (2.5)             | Total/NA  | Solid  | 5035   |            |
| 890-8727-4          | CS-4 (2.5)             | Total/NA  | Solid  | 5035   |            |
| 890-8727-5          | CS-5 (1.5)             | Total/NA  | Solid  | 5035   |            |
| 890-8727-6          | CS-6 (1.5)             | Total/NA  | Solid  | 5035   |            |
| 890-8727-7          | SW-1 (1.5)             | Total/NA  | Solid  | 5035   |            |
| 890-8727-8          | SW-2 (1.5)             | Total/NA  | Solid  | 5035   |            |
| 890-8727-9          | SW-3 (1.5)             | Total/NA  | Solid  | 5035   |            |
| 890-8727-10         | SW-4 (1.5-2.5)         | Total/NA  | Solid  | 5035   |            |
| 890-8727-11         | SW-5 (2.5)             | Total/NA  | Solid  | 5035   |            |
| 890-8727-12         | SW-6 (2.5)             | Total/NA  | Solid  | 5035   |            |
| 890-8727-13         | SW-7 (1.5-2.5)         | Total/NA  | Solid  | 5035   |            |
| 890-8727-14         | SW-8 (1.5)             | Total/NA  | Solid  | 5035   |            |
| 890-8727-15         | SW-9 (1.5)             | Total/NA  | Solid  | 5035   |            |
| 890-8727-16         | SW-10 (1.5)            | Total/NA  | Solid  | 5035   |            |
| MB 880-117741/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-117741/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-117741/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-61995-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-61995-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 117774

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-8727-1    | CS-1 (1.5)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-2    | CS-2 (1.5)       | Total/NA  | Solid  | Total BTEX |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

## GC VOA (Continued)

## Analysis Batch: 117774 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-8727-3    | CS-3 (2.5)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-4    | CS-4 (2.5)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-5    | CS-5 (1.5)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-6    | CS-6 (1.5)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-7    | SW-1 (1.5)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-8    | SW-2 (1.5)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-9    | SW-3 (1.5)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-10   | SW-4 (1.5-2.5)   | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-11   | SW-5 (2.5)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-12   | SW-6 (2.5)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-13   | SW-7 (1.5-2.5)   | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-14   | SW-8 (1.5)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-15   | SW-9 (1.5)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8727-16   | SW-10 (1.5)      | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 117681

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8727-1          | CS-1 (1.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-2          | CS-2 (1.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-3          | CS-3 (2.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-4          | CS-4 (2.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-5          | CS-5 (1.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-6          | CS-6 (1.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-7          | SW-1 (1.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-8          | SW-2 (1.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-9          | SW-3 (1.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-10         | SW-4 (1.5-2.5)         | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-11         | SW-5 (2.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-12         | SW-6 (2.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-13         | SW-7 (1.5-2.5)         | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-14         | SW-8 (1.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-15         | SW-9 (1.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-16         | SW-10 (1.5)            | Total/NA  | Solid  | 8015B NM | 117749     |
| MB 880-117749/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 117749     |
| LCS 880-117749/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 117749     |
| LCSD 880-117749/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-1 MS       | CS-1 (1.5)             | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-1 MSD      | CS-1 (1.5)             | Total/NA  | Solid  | 8015B NM | 117749     |

## Prep Batch: 117749

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 890-8727-1    | CS-1 (1.5)       | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-2    | CS-2 (1.5)       | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-3    | CS-3 (2.5)       | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-4    | CS-4 (2.5)       | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-5    | CS-5 (1.5)       | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-6    | CS-6 (1.5)       | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-7    | SW-1 (1.5)       | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-8    | SW-2 (1.5)       | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

## GC Semi VOA (Continued)

## Prep Batch: 117749 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-8727-9          | SW-3 (1.5)             | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-10         | SW-4 (1.5-2.5)         | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-11         | SW-5 (2.5)             | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-12         | SW-6 (2.5)             | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-13         | SW-7 (1.5-2.5)         | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-14         | SW-8 (1.5)             | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-15         | SW-9 (1.5)             | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-16         | SW-10 (1.5)            | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-117749/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-117749/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-117749/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-1 MS       | CS-1 (1.5)             | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-1 MSD      | CS-1 (1.5)             | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 117784

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-8727-1    | CS-1 (1.5)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-2    | CS-2 (1.5)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-3    | CS-3 (2.5)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-4    | CS-4 (2.5)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-5    | CS-5 (1.5)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-6    | CS-6 (1.5)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-7    | SW-1 (1.5)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-8    | SW-2 (1.5)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-9    | SW-3 (1.5)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-10   | SW-4 (1.5-2.5)   | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-11   | SW-5 (2.5)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-12   | SW-6 (2.5)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-13   | SW-7 (1.5-2.5)   | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-14   | SW-8 (1.5)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-15   | SW-9 (1.5)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8727-16   | SW-10 (1.5)      | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 117752

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-8727-1    | CS-1 (1.5)       | Soluble   | Solid  | DI Leach |            |
| 890-8727-2    | CS-2 (1.5)       | Soluble   | Solid  | DI Leach |            |
| 890-8727-3    | CS-3 (2.5)       | Soluble   | Solid  | DI Leach |            |
| 890-8727-4    | CS-4 (2.5)       | Soluble   | Solid  | DI Leach |            |
| 890-8727-5    | CS-5 (1.5)       | Soluble   | Solid  | DI Leach |            |
| 890-8727-6    | CS-6 (1.5)       | Soluble   | Solid  | DI Leach |            |
| 890-8727-7    | SW-1 (1.5)       | Soluble   | Solid  | DI Leach |            |
| 890-8727-8    | SW-2 (1.5)       | Soluble   | Solid  | DI Leach |            |
| 890-8727-9    | SW-3 (1.5)       | Soluble   | Solid  | DI Leach |            |
| 890-8727-10   | SW-4 (1.5-2.5)   | Soluble   | Solid  | DI Leach |            |
| 890-8727-11   | SW-5 (2.5)       | Soluble   | Solid  | DI Leach |            |
| 890-8727-12   | SW-6 (2.5)       | Soluble   | Solid  | DI Leach |            |
| 890-8727-13   | SW-7 (1.5-2.5)   | Soluble   | Solid  | DI Leach |            |
| 890-8727-14   | SW-8 (1.5)       | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

## HPLC/IC (Continued)

## Leach Batch: 117752 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8727-15         | SW-9 (1.5)             | Soluble   | Solid  | DI Leach |            |
| 890-8727-16         | SW-10 (1.5)            | Soluble   | Solid  | DI Leach |            |
| MB 880-117752/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-117752/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-117752/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-8727-9 MS       | SW-3 (1.5)             | Soluble   | Solid  | DI Leach |            |
| 890-8727-9 MSD      | SW-3 (1.5)             | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 117782

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8727-1          | CS-1 (1.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-2          | CS-2 (1.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-3          | CS-3 (2.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-4          | CS-4 (2.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-5          | CS-5 (1.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-6          | CS-6 (1.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-7          | SW-1 (1.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-8          | SW-2 (1.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-9          | SW-3 (1.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-10         | SW-4 (1.5-2.5)         | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-11         | SW-5 (2.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-12         | SW-6 (2.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-13         | SW-7 (1.5-2.5)         | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-14         | SW-8 (1.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-15         | SW-9 (1.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-16         | SW-10 (1.5)            | Soluble   | Solid  | 300.0  | 117752     |
| MB 880-117752/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 117752     |
| LCS 880-117752/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 117752     |
| LCSD 880-117752/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-9 MS       | SW-3 (1.5)             | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-9 MSD      | SW-3 (1.5)             | Soluble   | Solid  | 300.0  | 117752     |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

## Client Sample ID: CS-1 (1.5)

## Lab Sample ID: 890-8727-1

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 02:02       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 02:02       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 03:15       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 03:15       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 09:38       | CS      | EET MID |

## Client Sample ID: CS-2 (1.5)

## Lab Sample ID: 890-8727-2

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 02:23       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 02:23       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 04:01       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.96 g         | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 04:01       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 09:43       | CS      | EET MID |

## Client Sample ID: CS-3 (2.5)

## Lab Sample ID: 890-8727-3

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 02:43       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 02:43       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 04:17       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 04:17       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 09:49       | CS      | EET MID |

## Client Sample ID: CS-4 (2.5)

## Lab Sample ID: 890-8727-4

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 03:03       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 03:03       | SA      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

## Client Sample ID: CS-4 (2.5)

## Lab Sample ID: 890-8727-4

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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          |                |              | 117784       | 08/28/25 04:32       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 04:32       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 10:06       | CS      | EET MID |

## Client Sample ID: CS-5 (1.5)

## Lab Sample ID: 890-8727-5

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 03:24       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 03:24       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 04:47       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 04:47       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 10:12       | CS      | EET MID |

## Client Sample ID: CS-6 (1.5)

## Lab Sample ID: 890-8727-6

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 03:44       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 03:44       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 05:03       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 05:03       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 10:17       | CS      | EET MID |

## Client Sample ID: SW-1 (1.5)

## Lab Sample ID: 890-8727-7

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 04:05       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 04:05       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 05:18       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 05:18       | TKC     | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

## Client Sample ID: SW-1 (1.5)

Date Collected: 08/27/25 00:00

Date Received: 08/27/25 15:08

## Lab Sample ID: 890-8727-7

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 0 mL           | 1.0 mL       | 117782       | 08/28/25 10:23       | CS      | EET MID |

## Client Sample ID: SW-2 (1.5)

Date Collected: 08/27/25 00:00

Date Received: 08/27/25 15:08

## Lab Sample ID: 890-8727-8

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 05:55       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 05:55       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 05:33       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.97 g         | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 05:33       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 10:29       | CS      | EET MID |

## Client Sample ID: SW-3 (1.5)

Date Collected: 08/27/25 00:00

Date Received: 08/27/25 15:08

## Lab Sample ID: 890-8727-9

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 06:15       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 06:15       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 05:49       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.95 g         | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 05:49       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 10:34       | CS      | EET MID |

## Client Sample ID: SW-4 (1.5-2.5)

Date Collected: 08/27/25 00:00

Date Received: 08/27/25 15:08

## Lab Sample ID: 890-8727-10

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 06:35       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 06:35       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 06:05       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 06:05       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 10:51       | CS      | EET MID |

Eurofins Carlsbad

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Client Sample ID: SW-5 (2.5)

Lab Sample ID: 890-8727-11

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 06:56       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 06:56       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 06:36       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 06:36       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 10:57       | CS      | EET MID |

Client Sample ID: SW-6 (2.5)

Lab Sample ID: 890-8727-12

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 07:16       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 07:16       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 06:51       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 06:51       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 11:14       | CS      | EET MID |

Client Sample ID: SW-7 (1.5-2.5)

Lab Sample ID: 890-8727-13

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 07:37       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 07:37       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 07:07       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.08 g        | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 07:07       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 11:20       | CS      | EET MID |

Client Sample ID: SW-8 (1.5)

Lab Sample ID: 890-8727-14

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 07:57       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 07:57       | SA      | EET MID |

Eurofins Carlsbad

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

Client Sample ID: SW-8 (1.5)

Lab Sample ID: 890-8727-14

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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          |                |              | 117784       | 08/28/25 07:22       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.96 g         | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 07:22       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 11:25       | CS      | EET MID |

Client Sample ID: SW-9 (1.5)

Lab Sample ID: 890-8727-15

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 08:18       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 08:18       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 07:38       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 07:38       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 11:31       | CS      | EET MID |

Client Sample ID: SW-10 (1.5)

Lab Sample ID: 890-8727-16

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:08

| 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         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 08:38       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117774       | 08/28/25 08:38       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117784       | 08/28/25 07:53       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 07:53       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 11:37       | CS      | EET MID |

## Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

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            | 06-30-26        |
| 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: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

| 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: Young Federal 1

Job ID: 890-8727-1  
SDG: Lea County NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Sample Origin |
|---------------|------------------|--------|----------------|----------------|---------------|
| 890-8727-1    | CS-1 (1.5)       | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-2    | CS-2 (1.5)       | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-3    | CS-3 (2.5)       | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-4    | CS-4 (2.5)       | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-5    | CS-5 (1.5)       | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-6    | CS-6 (1.5)       | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-7    | SW-1 (1.5)       | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-8    | SW-2 (1.5)       | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-9    | SW-3 (1.5)       | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-10   | SW-4 (1.5-2.5)   | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-11   | SW-5 (2.5)       | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-12   | SW-6 (2.5)       | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-13   | SW-7 (1.5-2.5)   | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-14   | SW-8 (1.5)       | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-15   | SW-9 (1.5)       | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |
| 890-8727-16   | SW-10 (1.5)      | Solid  | 08/27/25 00:00 | 08/27/25 15:08 | New Mexico    |

Chain of Custody



890-8727 Chain of Custody

Page 1 of 2

|                  |                        |                         |                               |
|------------------|------------------------|-------------------------|-------------------------------|
| Project Manager: | Ashton Thielke         | Bill to: (if different) | Carmona Resources             |
| Company Name:    | Carmona Resources      | Company Name:           |                               |
| Address:         | 310 West Wall Ste. 500 | Address:                |                               |
| City, State ZIP: | Midland, TX 79701      | City, State ZIP:        |                               |
| Phone:           | 432-813-8988           | Email:                  | ThielkeA@Carmonaresources.com |

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

|                       |                 |                                                                           |            |                  |        |  |  |  |  |  |  |  |  |  |  |                    |                                                 |                                                                   |  |
|-----------------------|-----------------|---------------------------------------------------------------------------|------------|------------------|--------|--|--|--|--|--|--|--|--|--|--|--------------------|-------------------------------------------------|-------------------------------------------------------------------|--|
| Project Name:         | Young Federal 1 | Turn Around                                                               | Pres. Code | ANALYSIS REQUEST |        |  |  |  |  |  |  |  |  |  |  | Preservative Codes |                                                 |                                                                   |  |
| Project Number:       | 2787            | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |            |                  |        |  |  |  |  |  |  |  |  |  |  |                    | None: NO                                        | DI Water: H <sub>2</sub> O                                        |  |
| Project Location:     | Lea Co. NM      | Due Date:                                                                 | 24 hr      |                  |        |  |  |  |  |  |  |  |  |  |  |                    | Cool: Cool                                      | MeOH: Me                                                          |  |
| Sampler's Name:       | JDC             | TAT starts the day received by the lab, if received by 4:30pm             |            |                  |        |  |  |  |  |  |  |  |  |  |  |                    | HCL: HC                                         | HNO <sub>3</sub> : HN                                             |  |
| PO #:                 |                 |                                                                           |            |                  |        |  |  |  |  |  |  |  |  |  |  |                    | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na                                                          |  |
| SAMPLE RECEIPT        |                 | Temp Blank:                                                               | Yes No     | Wet Ice:         | Yes No |  |  |  |  |  |  |  |  |  |  |                    |                                                 | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |
| Received Intact:      | Yes No          | Thermometer ID:                                                           |            |                  |        |  |  |  |  |  |  |  |  |  |  |                    |                                                 | NaHSO <sub>4</sub> : NABIS                                        |  |
| Cooler Custody Seals: | Yes No          | Correction Factor:                                                        |            |                  |        |  |  |  |  |  |  |  |  |  |  |                    |                                                 | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |
| Sample Custody Seals: | Yes No          | Temperature Reading:                                                      |            |                  |        |  |  |  |  |  |  |  |  |  |  |                    |                                                 | Zn Acetate+NaOH: Zn                                               |  |
| Total Containers:     |                 | Corrected Temperature:                                                    |            |                  |        |  |  |  |  |  |  |  |  |  |  |                    |                                                 | NaOH+Ascorbic Acid: SAPC                                          |  |

| Sample Identification | Date      | Time | Soil | Water | Grab/<br>Comp | # of<br>Cont | TPH |   |   |  |  |  |  |  |  |  |  |  | Sample Comments |
|-----------------------|-----------|------|------|-------|---------------|--------------|-----|---|---|--|--|--|--|--|--|--|--|--|-----------------|
| CS-1 (1.5')           | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |  |  |                 |
| CS-2 (1.5')           | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |  |  |                 |
| CS-3 (2.5')           | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |  |  |                 |
| CS-4 (2.5')           | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |  |  |                 |
| CS-5 (1.5')           | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |  |  |                 |
| CS-6 (1.5')           | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |  |  |                 |
| SW-1 (1.5')           | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |  |  |                 |
| SW-2 (1.5')           | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |  |  |                 |
| SW-3 (1.5')           | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |  |  |                 |
| SW-4 (1.5'-2.5')      | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |  |  |                 |

Please send results to cmoehting@carmonaresources.com and mcarmona@carmonaresources.com

|                              |                          |           |                              |                          |           |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
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Chain of Custody

Work Order No: \_\_\_\_\_

Page 2 of 2

|                  |                        |                         |                               |
|------------------|------------------------|-------------------------|-------------------------------|
| Project Manager: | Ashton Thielke         | Bill to: (if different) | Carmona Resources             |
| Company Name:    | Carmona Resources      | Company Name:           |                               |
| Address:         | 310 West Wall Ste. 500 | Address:                |                               |
| City, State ZIP: | Midland, TX 79701      | City, State ZIP:        |                               |
| Phone:           | 432-813-8988           | Email:                  | ThielkeA@Carmonaresources.com |

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

|                       |                 |                                                                           |            |                  |  |  |  |  |  |  |  |  |  |  |  |                    |                                                                   |                            |
|-----------------------|-----------------|---------------------------------------------------------------------------|------------|------------------|--|--|--|--|--|--|--|--|--|--|--|--------------------|-------------------------------------------------------------------|----------------------------|
| Project Name:         | Young Federal 1 | Turn Around                                                               | Pres. Code | ANALYSIS REQUEST |  |  |  |  |  |  |  |  |  |  |  | Preservative Codes |                                                                   |                            |
| Project Number:       | 2787            | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |            |                  |  |  |  |  |  |  |  |  |  |  |  |                    | None: NO                                                          | DI Water: H <sub>2</sub> O |
| Project Location:     | Lea Co. NM      | Due Date:                                                                 | 24 hr      |                  |  |  |  |  |  |  |  |  |  |  |  |                    | Cool: Cool                                                        | MeOH: Me                   |
| Sampler's Name:       | JDC             | TAT starts the day received by the lab, if received by 4:30pm             |            |                  |  |  |  |  |  |  |  |  |  |  |  |                    | 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                                                                    | Well Ice:  | Yes No           |  |  |  |  |  |  |  |  |  |  |  |                    | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| Received Inact:       | Yes No          | Thermometer ID:                                                           | Yes No     |                  |  |  |  |  |  |  |  |  |  |  |  |                    | NaHSO <sub>4</sub> : NABIS                                        |                            |
| Cooler Custody Seals: | Yes No          | Correction Factor:                                                        | Yes No     |                  |  |  |  |  |  |  |  |  |  |  |  |                    | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| Sample Custody Seals: | Yes No          | Temperature Reading:                                                      | Yes No     |                  |  |  |  |  |  |  |  |  |  |  |  |                    | Zn Acetate+NaOH: Zn                                               |                            |
| Total Containers:     |                 | Corrected Temperature:                                                    |            |                  |  |  |  |  |  |  |  |  |  |  |  |                    | NaOH+Ascorbic Acid: SAPC                                          |                            |

| Sample Identification | Date      | Time | Soil | Water | Grab/<br>Comp | # of<br>Cont | TPH |   |   |  |  |  |  |  |  |  | Sample Comments |
|-----------------------|-----------|------|------|-------|---------------|--------------|-----|---|---|--|--|--|--|--|--|--|-----------------|
| SW-5 (2.5')           | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |                 |
| SW-6 (2.5')           | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |                 |
| SW-7 (1.5'-2.5')      | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |                 |
| SW-8 (1.5')           | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |                 |
| SW-9 (1.5')           | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |                 |
| SW-10 (1.5')          | 8/27/2025 |      | X    |       | C             | 1            | X   | X | X |  |  |  |  |  |  |  |                 |
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Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

|                              |                          |           |                              |                          |           |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|                              |                          | 3:37 8/28 |                              |                          |           |
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Eurofins Carlsbad

1089 N Canal St.  
Carlsbad, NM 88220  
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

|                                              |                   |                       |           |                                     |                             |                        |            |                     |             |
|----------------------------------------------|-------------------|-----------------------|-----------|-------------------------------------|-----------------------------|------------------------|------------|---------------------|-------------|
| <b>Client Information (Sub Contract Lab)</b> |                   | Sampler               | N/A       | Lab PM:                             | Kramer, Jessica             | Carrier Tracking No(s) | N/A        | COC No:             | 890-5805-1  |
| Client Contact:                              | Phone:            | N/A                   |           | E-Mail:                             | Jessica.Kramer@eurofins.com | State of Origin:       | New Mexico | Page:               | Page 1 of 2 |
| Shipping/Receiving                           | Company:          | N/A                   |           | Accreditations Required (See note): | NE LAP - Texas              | Job #:                 | 890-8727-1 | Preservation Codes: |             |
| Eurofins Environment Testing South Cent      |                   | Due Date Requested:   | 8/28/2025 | Analysis Requested                  |                             |                        |            |                     |             |
| Address: 1211 W. Florida Ave.                |                   | TAT Requested (days): | N/A       |                                     |                             |                        |            |                     |             |
| City:                                        | Midland           |                       |           |                                     |                             |                        |            |                     |             |
| State, Zip:                                  | TX, 79701         | PO #:                 | N/A       |                                     |                             |                        |            |                     |             |
| Phone:                                       | 432-704-5440(Tel) | WO #:                 | N/A       |                                     |                             |                        |            |                     |             |
| Email:                                       | N/A               | Project #:            | 89000237  |                                     |                             |                        |            |                     |             |
| Project Name:                                | young federal 1   | SSOW#:                | N/A       |                                     |                             |                        |            |                     |             |
| Site:                                        | N/A               |                       |           |                                     |                             |                        |            |                     |             |

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (G=Comp, G=grab) | Matrix (Mineral, Soil, Sediment, Organic, A&M) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Total BTEX_GCV | 8015MOD_Calc | 8021B/5035FP_CalcBTEX | 8015MOD_NM/8015NM_S_PrepFull TPH | 300_ORGFM_28D/DI_LEACHChloride | Total Number of containers | Special Instructions/Note: |
|--------------------------------------------|-------------|-------------|------------------------------|------------------------------------------------|-----------------------------------|----------------------------|----------------|--------------|-----------------------|----------------------------------|--------------------------------|----------------------------|----------------------------|
| CS-1 (1.5) (890-8727-1)                    | 8/27/25     | Mountain    | G                            | Solid                                          | X                                 | X                          | X              | X            | X                     |                                  |                                | 1                          |                            |
| CS-2 (1.5) (890-8727-2)                    | 8/27/25     | Mountain    | G                            | Solid                                          | X                                 | X                          | X              | X            | X                     |                                  |                                | 1                          |                            |
| CS-3 (2.5) (890-8727-3)                    | 8/27/25     | Mountain    | G                            | Solid                                          | X                                 | X                          | X              | X            | X                     |                                  |                                | 1                          |                            |
| CS-4 (2.5) (890-8727-4)                    | 8/27/25     | Mountain    | G                            | Solid                                          | X                                 | X                          | X              | X            | X                     |                                  |                                | 1                          |                            |
| CS-5 (1.5) (890-8727-5)                    | 8/27/25     | Mountain    | G                            | Solid                                          | X                                 | X                          | X              | X            | X                     |                                  |                                | 1                          |                            |
| CS-6 (1.5) (890-8727-6)                    | 8/27/25     | Mountain    | G                            | Solid                                          | X                                 | X                          | X              | X            | X                     |                                  |                                | 1                          |                            |
| SW-1 (1.5) (890-8727-7)                    | 8/27/25     | Mountain    | G                            | Solid                                          | X                                 | X                          | X              | X            | X                     |                                  |                                | 1                          |                            |
| SW-2 (1.5) (890-8727-8)                    | 8/27/25     | Mountain    | G                            | Solid                                          | X                                 | X                          | X              | X            | X                     |                                  |                                | 1                          |                            |
| SW-3 (1.5) (890-8727-9)                    | 8/27/25     | Mountain    | G                            | Solid                                          | X                                 | X                          | X              | X            | X                     |                                  |                                | 1                          |                            |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Cent, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Cent, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Cent, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Cent, LLC.

**Possible Hazard Identification**

**Unconfirmed**

Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_ Primary Deliverable Rank: 2

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_

Relinquished by: *Samuel* Date/Time: *8/28/25 16:30* Company: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seals Intact: ☒ Yes ☐ No Custody Seal No.: \_\_\_\_\_ Cooler Temperature(s) °C and Other Remarks: *2.6/2.76 12.6*

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8727-1

SDG Number: Lea County NM

Login Number: 8727

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

| Question                                                                         | Answer | Comment                             |
|----------------------------------------------------------------------------------|--------|-------------------------------------|
| The cooler's custody seal, if present, is intact.                                | True   |                                     |
| Sample custody seals, if present, are intact.                                    | True   |                                     |
| 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.                                          | N/A    | Refer to Job Narrative for details. |
| 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    |                                     |

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8727-1

SDG Number: Lea County NM

Login Number: 8727

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 08/27/25 09:04 PM

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



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ashton Thielke  
Carmona Resources  
310 W Wall St  
Ste 500  
Midland, Texas 79701

Generated 8/28/2025 1:28:40 PM

## JOB DESCRIPTION

Young Federal 1  
Lea County NM

## JOB NUMBER

890-8729-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



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Client: Carmona Resources  
Project/Site: Young Federal 1

Laboratory Job ID: 890-8729-1  
SDG: Lea County NM

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Definitions/Glossary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8729-1  
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: Young Federal 1

Job ID: 890-8729-1

**Job ID: 890-8729-1**

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### Job Narrative 890-8729-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

### Receipt

The sample was received on 8/27/2025 3:42 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

### Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: BACKFILL SAMPLE (890-8729-1).

### GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-117667 recovered below the lower control limit for Ethylbenzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-117667/33).

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-117741 and analytical batch 880-117667 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: BACKFILL SAMPLE (890-8729-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

### Diesel Range Organics

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

### HPLC/IC

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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8729-1  
SDG: Lea County NM

Client Sample ID: BACKFILL SAMPLE

Lab Sample ID: 890-8729-1

Date Collected: 08/27/25 00:00

Matrix: Solid

Date Received: 08/27/25 15:42

## 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 |   | 08/27/25 20:00 | 08/28/25 08:59 | 1       |
| Toluene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:59 | 1       |
| Ethylbenzene   | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:59 | 1       |
| m,p-Xylenes    | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:59 | 1       |
| o-Xylene       | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:59 | 1       |
| Xylenes, Total | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 08/27/25 20:00 | 08/28/25 08:59 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 329       | S1+       | 70 - 130 | 08/27/25 20:00 | 08/28/25 08:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 115       |           | 70 - 130 | 08/27/25 20:00 | 08/28/25 08:59 | 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 |   |          | 08/28/25 08:59 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.1  | U         | 50.1 |     | mg/Kg |   |          | 08/28/25 08:09 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1  | U         | 50.1 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 08:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 08:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 08:09 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 75        |           | 70 - 130 | 08/27/25 20:48 | 08/28/25 08:09 | 1       |
| o-Terphenyl (Surr)    | 73        |           | 70 - 130 | 08/27/25 20:48 | 08/28/25 08:09 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <10.1  | U         | 10.1 |     | mg/Kg |   |          | 08/28/25 11:42 | 1       |

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8729-1  
SDG: Lea County NM

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

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-61995-A-1-C MS                | Matrix Spike           | 104                                            | 97                |
| 880-61995-A-1-D MSD               | Matrix Spike Duplicate | 103                                            | 108               |
| 890-8729-1                        | BACKFILL SAMPLE        | 329 S1+                                        | 115               |
| LCS 880-117741/1-A                | Lab Control Sample     | 105                                            | 100               |
| LCSD 880-117741/2-A               | Lab Control Sample Dup | 114                                            | 102               |
| MB 880-117667/8                   | Method Blank           | 177 S1+                                        | 92                |
| MB 880-117741/5-A                 | Method Blank           | 197 S1+                                        | 100               |
| <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) |
| 890-8727-A-1-B MS           | Matrix Spike           | 81                                             | 87                |
| 890-8727-A-1-C MSD          | Matrix Spike Duplicate | 96                                             | 85                |
| 890-8729-1                  | BACKFILL SAMPLE        | 75                                             | 73                |
| LCS 880-117749/2-A          | Lab Control Sample     | 106                                            | 121               |
| LCSD 880-117749/3-A         | Lab Control Sample Dup | 105                                            | 120               |
| MB 880-117749/1-A           | Method Blank           | 90                                             | 93                |
| <b>Surrogate Legend</b>     |                        |                                                |                   |
| 1CO = 1-Chlorooctane (Surr) |                        |                                                |                   |
| OTPH = o-Terphenyl (Surr)   |                        |                                                |                   |

## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8729-1  
SDG: Lea County NM

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

Lab Sample ID: MB 880-117667/8

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte        | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|---------|-----|-------|---|----------|----------------|---------|
| Benzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   |          | 08/27/25 12:55 | 1       |
| Toluene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   |          | 08/27/25 12:55 | 1       |
| Ethylbenzene   | <0.00200     | U               | 0.00200 |     | mg/Kg |   |          | 08/27/25 12:55 | 1       |
| m,p-Xylenes    | <0.00400     | U               | 0.00400 |     | mg/Kg |   |          | 08/27/25 12:55 | 1       |
| o-Xylene       | <0.00200     | U               | 0.00200 |     | mg/Kg |   |          | 08/27/25 12:55 | 1       |
| Xylenes, Total | <0.00400     | U               | 0.00400 |     | mg/Kg |   |          | 08/27/25 12:55 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 177             | S1+             | 70 - 130 |          | 08/27/25 12:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92              |                 | 70 - 130 |          | 08/27/25 12:55 | 1       |

Lab Sample ID: MB 880-117741/5-A

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117741

| Analyte        | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 08/27/25 16:19 | 08/28/25 00:32 | 1       |
| Toluene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 08/27/25 16:19 | 08/28/25 00:32 | 1       |
| Ethylbenzene   | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 08/27/25 16:19 | 08/28/25 00:32 | 1       |
| m,p-Xylenes    | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 08/27/25 16:19 | 08/28/25 00:32 | 1       |
| o-Xylene       | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 08/27/25 16:19 | 08/28/25 00:32 | 1       |
| Xylenes, Total | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 08/27/25 16:19 | 08/28/25 00:32 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 197             | S1+             | 70 - 130 | 08/27/25 16:19 | 08/28/25 00:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100             |                 | 70 - 130 | 08/27/25 16:19 | 08/28/25 00:32 | 1       |

Lab Sample ID: LCS 880-117741/1-A

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117741

| Analyte      | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene      | 0.100          | 0.08314       |                  | mg/Kg |   | 83   | 70 - 130       |
| Toluene      | 0.100          | 0.07803       |                  | mg/Kg |   | 78   | 70 - 130       |
| Ethylbenzene | 0.100          | 0.07900       |                  | mg/Kg |   | 79   | 70 - 130       |
| m,p-Xylenes  | 0.200          | 0.1560        |                  | mg/Kg |   | 78   | 70 - 130       |
| o-Xylene     | 0.100          | 0.09049       |                  | mg/Kg |   | 90   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 105              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-117741/2-A

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117741

| Analyte | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene | 0.100          | 0.09194        |                   | mg/Kg |   | 92   | 70 - 130       | 10  | 35           |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8729-1  
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-117741/2-A

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117741

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Toluene      | 0.100       | 0.08220     |                | mg/Kg |   | 82   | 70 - 130    | 5   | 35        |
| Ethylbenzene | 0.100       | 0.09925     |                | mg/Kg |   | 99   | 70 - 130    | 23  | 35        |
| m,p-Xylenes  | 0.200       | 0.1973      |                | mg/Kg |   | 99   | 70 - 130    | 23  | 35        |
| o-Xylene     | 0.100       | 0.09568     |                | mg/Kg |   | 96   | 70 - 130    | 6   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 114            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102            |                | 70 - 130 |

Lab Sample ID: 880-61995-A-1-C MS

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 117741

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene      | <0.00200      | U                | 0.100       | 0.08426   |              | mg/Kg |   | 84   | 70 - 130    |
| Toluene      | <0.00200      | U                | 0.100       | 0.08335   |              | mg/Kg |   | 83   | 70 - 130    |
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.08086   |              | mg/Kg |   | 81   | 70 - 130    |
| m,p-Xylenes  | <0.00399      | U                | 0.200       | 0.1592    |              | mg/Kg |   | 80   | 70 - 130    |
| o-Xylene     | <0.00200      | U                | 0.100       | 0.08272   |              | mg/Kg |   | 83   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 104          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97           |              | 70 - 130 |

Lab Sample ID: 880-61995-A-1-D MSD

Matrix: Solid

Analysis Batch: 117667

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 117741

| 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       | 0.09274    |               | mg/Kg |   | 93   | 70 - 130    | 10  | 35        |
| Toluene      | <0.00200      | U                | 0.100       | 0.08298    |               | mg/Kg |   | 83   | 70 - 130    | 0   | 35        |
| Ethylbenzene | <0.00200      | U                | 0.100       | 0.07980    |               | mg/Kg |   | 80   | 70 - 130    | 1   | 35        |
| m,p-Xylenes  | <0.00399      | U                | 0.200       | 0.1668     |               | mg/Kg |   | 83   | 70 - 130    | 5   | 35        |
| o-Xylene     | <0.00200      | U                | 0.100       | 0.08953    |               | mg/Kg |   | 90   | 70 - 130    | 8   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 103           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108           |               | 70 - 130 |

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

Lab Sample ID: MB 880-117749/1-A

Matrix: Solid

Analysis Batch: 117681

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117749

| 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 |   | 08/27/25 20:48 | 08/28/25 02:28 | 1       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8729-1  
SDG: Lea County NM

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

Lab Sample ID: MB 880-117749/1-A

Matrix: Solid

Analysis Batch: 117681

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117749

| Analyte                              | MB<br>Result    | MB<br>Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0           | U               | 50.0     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 02:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0           | U               | 50.0     |     | mg/Kg |   | 08/27/25 20:48 | 08/28/25 02:28 | 1       |
| Surrogate                            | MB<br>%Recovery | MB<br>Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane (Surr)                | 90              |                 | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 02:28 | 1       |
| o-Terphenyl (Surr)                   | 93              |                 | 70 - 130 |     |       |   | 08/27/25 20:48 | 08/28/25 02:28 | 1       |

Lab Sample ID: LCS 880-117749/2-A

Matrix: Solid

Analysis Batch: 117681

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117749

| Analyte                              | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000             | 1045             |                  | mg/Kg |   | 104  | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 1000             | 1057             |                  | mg/Kg |   | 106  | 70 - 130       |
| Surrogate                            | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 1-Chlorooctane (Surr)                | 106              |                  | 70 - 130         |       |   |      |                |
| o-Terphenyl (Surr)                   | 121              |                  | 70 - 130         |       |   |      |                |

Lab Sample ID: LCSD 880-117749/3-A

Matrix: Solid

Analysis Batch: 117681

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117749

| Analyte                              | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000              | 1065              |                   | mg/Kg |   | 107  | 70 - 130       | 2   | 20           |
| Diesel Range Organics (Over C10-C28) | 1000              | 1084              |                   | mg/Kg |   | 108  | 70 - 130       | 3   | 20           |
| Surrogate                            | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |       |   |      |                |     |              |
| 1-Chlorooctane (Surr)                | 105               |                   | 70 - 130          |       |   |      |                |     |              |
| o-Terphenyl (Surr)                   | 120               |                   | 70 - 130          |       |   |      |                |     |              |

Lab Sample ID: 890-8727-A-1-B MS

Matrix: Solid

Analysis Batch: 117681

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 117749

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8            | U                   | 1000           | 883.4        |                 | mg/Kg |   | 88   | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | <49.8            | U                   | 1000           | 944.1        |                 | mg/Kg |   | 94   | 70 - 130       |
| Surrogate                            | MS<br>%Recovery  | MS<br>Qualifier     | Limits         |              |                 |       |   |      |                |
| 1-Chlorooctane (Surr)                | 81               |                     | 70 - 130       |              |                 |       |   |      |                |
| o-Terphenyl (Surr)                   | 87               |                     | 70 - 130       |              |                 |       |   |      |                |

Eurofins Carlsbad

## QC Sample Results

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8729-1  
SDG: Lea County NM

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

Lab Sample ID: 890-8727-A-1-C MSD

Matrix: Solid

Analysis Batch: 117681

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 117749

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8         | U                | 1000        | 895.7      |               | mg/Kg |   | 89   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.8         | U                | 1000        | 898.7      |               | mg/Kg |   | 90   | 70 - 130    | 5   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane (Surr)                | 96            |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl (Surr)                   | 85            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-117752/1-A

Matrix: Solid

Analysis Batch: 117782

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 |   |          | 08/28/25 08:46 | 1       |

Lab Sample ID: LCS 880-117752/2-A

Matrix: Solid

Analysis Batch: 117782

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 227.3      |               | mg/Kg |   | 91   | 90 - 110    |

Lab Sample ID: LCSD 880-117752/3-A

Matrix: Solid

Analysis Batch: 117782

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         | 225.4       |                | mg/Kg |   | 90   | 90 - 110    | 1   | 20        |

Lab Sample ID: 890-8727-A-9-D MS

Matrix: Solid

Analysis Batch: 117782

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 10.3          |                  | 253         | 244.5     |              | mg/Kg |   | 93   | 90 - 110    |

Lab Sample ID: 890-8727-A-9-E MSD

Matrix: Solid

Analysis Batch: 117782

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 10.3          |                  | 253         | 242.6      |               | mg/Kg |   | 92   | 90 - 110    | 1   | 20        |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8729-1  
SDG: Lea County NM

## GC VOA

## Analysis Batch: 117667

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8729-1          | BACKFILL SAMPLE        | Total/NA  | Solid  | 8021B  | 117741     |
| MB 880-117667/8     | Method Blank           | Total/NA  | Solid  | 8021B  |            |
| MB 880-117741/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 117741     |
| LCS 880-117741/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 117741     |
| LCSD 880-117741/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 117741     |
| 880-61995-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 117741     |
| 880-61995-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 117741     |

## Prep Batch: 117741

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8729-1          | BACKFILL SAMPLE        | Total/NA  | Solid  | 5035   |            |
| MB 880-117741/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-117741/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-117741/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-61995-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-61995-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 117792

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-8729-1    | BACKFILL SAMPLE  | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 117681

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8729-1          | BACKFILL SAMPLE        | Total/NA  | Solid  | 8015B NM | 117749     |
| MB 880-117749/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 117749     |
| LCS 880-117749/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 117749     |
| LCSD 880-117749/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-A-1-B MS   | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 117749     |
| 890-8727-A-1-C MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 117749     |

## Prep Batch: 117749

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-8729-1          | BACKFILL SAMPLE        | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-117749/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-117749/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-117749/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-A-1-B MS   | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8727-A-1-C MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 117785

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-8729-1    | BACKFILL SAMPLE  | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 117752

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|--------------------|-----------|--------|----------|------------|
| 890-8729-1         | BACKFILL SAMPLE    | Soluble   | Solid  | DI Leach |            |
| MB 880-117752/1-A  | Method Blank       | Soluble   | Solid  | DI Leach |            |
| LCS 880-117752/2-A | Lab Control Sample | Soluble   | Solid  | DI Leach |            |

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QC Association Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8729-1  
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 117752 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| LCSD 880-117752/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-8727-A-9-D MS   | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 890-8727-A-9-E MSD  | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

Analysis Batch: 117782

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8729-1          | BACKFILL SAMPLE        | Soluble   | Solid  | 300.0  | 117752     |
| MB 880-117752/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 117752     |
| LCS 880-117752/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 117752     |
| LCSD 880-117752/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-A-9-D MS   | Matrix Spike           | Soluble   | Solid  | 300.0  | 117752     |
| 890-8727-A-9-E MSD  | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 117752     |

Lab Chronicle

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8729-1  
SDG: Lea County NM

Client Sample ID: BACKFILL SAMPLE  
Date Collected: 08/27/25 00:00  
Date Received: 08/27/25 15:42

Lab Sample ID: 890-8729-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 117741       | 08/27/25 20:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 117667       | 08/28/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 117792       | 08/28/25 08:59       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 117785       | 08/28/25 08:09       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.99 g         | 10 mL        | 117749       | 08/27/25 20:48       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 117681       | 08/28/25 08:09       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 117752       | 08/28/25 08:03       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 117782       | 08/28/25 11:42       | CS      | EET MID |

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

Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Young Federal 1

Job ID: 890-8729-1  
SDG: Lea County NM

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            | 06-30-26        |
| 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: Young Federal 1

Job ID: 890-8729-1  
SDG: Lea County NM

| 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: Young Federal 1

Job ID: 890-8729-1  
SDG: Lea County NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Sample Origin |
|---------------|------------------|--------|----------------|----------------|---------------|
| 890-8729-1    | BACKFILL SAMPLE  | Solid  | 08/27/25 00:00 | 08/27/25 15:42 | New Mexico    |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

**Work Order No:** \_\_\_\_\_

Page 1 of 1

|                  |                        |                         |                               |
|------------------|------------------------|-------------------------|-------------------------------|
| Project Manager: | Ashton Thielke         | Bill to: (if different) | Carmona Resources             |
| Company Name:    | Carmona Resources      | Company Name:           |                               |
| Address:         | 310 West Wall Ste. 500 | Address:                |                               |
| City, State ZIP: | Midland, TX 79701      | City, State ZIP:        |                               |
| Phone:           | 432-813-8988           | Email:                  | ThielkeA@Carmonaresources.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

[illegible][illegible]

Please send results to [cmoehring@carmonaresources.com](mailto:cmoehring@carmonaresources.com) and [mcarmona@carmonaresources.com](mailto:mcarmona@carmonaresources.com)

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time  | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|------------|------------------------------|--------------------------|-----------|
| <i>[Signature]</i>           | <i>[Signature]</i>       | 8/27 15:42 |                              |                          |           |
|                              |                          |            |                              |                          |           |
|                              |                          |            |                              |                          |           |
|                              |                          |            |                              |                          |           |
|                              |                          |            |                              |                          |           |

## Eurofins Carlsbad

1089 N Canal St.  
Carlsbad, NM 88220  
Phone: 575-988-3199 Fax: 575-988-3199

## Chain of Custody Record



## Environment Testing

[illegible]

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8729-1

SDG Number: Lea County NM

Login Number: 8729

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

| Question                                                                         | Answer | Comment                             |
|----------------------------------------------------------------------------------|--------|-------------------------------------|
| The cooler's custody seal, if present, is intact.                                | True   |                                     |
| Sample custody seals, if present, are intact.                                    | True   |                                     |
| 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.                                          | N/A    | Refer to Job Narrative for details. |
| 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    |                                     |

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8729-1

SDG Number: Lea County NM

Login Number: 8729

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 08/27/25 09:05 PM

| 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    |         |

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 513131

**QUESTIONS**

|                                                                            |                                                                             |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                              |
|                                                                            | Action Number:<br>513131                                                    |
|                                                                            | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|                      |                                                         |
|----------------------|---------------------------------------------------------|
| <b>Prerequisites</b> |                                                         |
| Incident ID (n#)     | nAPP2518460990                                          |
| Incident Name        | NAPP2518460990 YOUNG FEDERAL 1 BATTERY @ FAPP2133447822 |
| Incident Type        | Oil Release                                             |
| Incident Status      | Remediation Closure Report Received                     |
| Incident Facility    | [fAPP2133447822] Young Federal 1 Battery                |

**Location of Release Source**

Please answer all the questions in this group.

|                         |                         |
|-------------------------|-------------------------|
| Site Name               | YOUNG FEDERAL 1 BATTERY |
| Date Release Discovered | 07/03/2025              |
| Surface Owner           | Federal                 |

**Incident Details**

Please answer all the questions in this group.

|                                                                                                      |             |
|------------------------------------------------------------------------------------------------------|-------------|
| Incident Type                                                                                        | Oil 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                                                                                                                    | Cause: Overflow - Tank, Pit, Etc.   Tank (Any)   Crude Oil   Released: 42 BBL   Recovered: 40 BBL   Lost: 2 BBL. |
| Produced Water Released (bbls) Details                                                                                                               | Not answered.                                                                                                    |
| Is the concentration of chloride in the produced water >10,000 mg/l                                                                                  | No                                                                                                               |
| Condensate Released (bbls) Details                                                                                                                   | Not answered.                                                                                                    |
| Natural Gas Vented (Mcf) Details                                                                                                                     | Not answered.                                                                                                    |
| Natural Gas Flared (Mcf) Details                                                                                                                     | Not answered.                                                                                                    |
| Other Released Details                                                                                                                               | Not answered.                                                                                                    |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Not answered.                                                                                                    |

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 513131

**QUESTIONS (continued)**

|                                                                            |                                                                             |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                              |
|                                                                            | Action Number:<br>513131                                                    |
|                                                                            | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**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>(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. |                                                                                                                                        |

**Initial Response**

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

|                                                                                                                    |               |
|--------------------------------------------------------------------------------------------------------------------|---------------|
| The source of the release has been stopped                                                                         | True          |
| The impacted area has been secured to protect human health and the environment                                     | True          |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True          |
| All free liquids and recoverable materials have been removed and managed appropriately                             | True          |
| If all the actions described above have not been undertaken, explain why                                           | Not answered. |

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

|                                                    |                                                                                                                    |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Kennedy Lincoln<br>Title: Environmental Specialist<br>Email: kennedy.lincoln@chevron.com<br>Date: 10/08/2025 |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|

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QUESTIONS, Page 3

Action 513131

**QUESTIONS (continued)**

|                                                                            |                                                                             |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                              |
|                                                                            | Action Number:<br>513131                                                    |
|                                                                            | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

|                                                                                                                            |                         |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 51 and 75 (ft.) |
| What method was used to determine the depth to ground water                                                                | Direct Measurement      |
| Did this release impact groundwater or surface water                                                                       | No                      |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |                         |
| A continuously flowing watercourse or any other significant watercourse                                                    | Between 1 and 5 (mi.)   |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)                                          | Greater than 5 (mi.)    |
| An occupied permanent residence, school, hospital, institution, or church                                                  | Between 1 and 5 (mi.)   |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes  | Between 1 and 5 (mi.)   |
| Any other fresh water well or spring                                                                                       | Between 1 and 5 (mi.)   |
| Incorporated municipal boundaries or a defined municipal fresh water well field                                            | Greater than 5 (mi.)    |
| A wetland                                                                                                                  | Between 1 and 5 (mi.)   |
| A subsurface mine                                                                                                          | Greater than 5 (mi.)    |
| An (non-karst) unstable area                                                                                               | Greater than 5 (mi.)    |
| Categorize the risk of this well / site being in a karst geology                                                           | Low                     |
| A 100-year floodplain                                                                                                      | Between 1 and 5 (mi.)   |
| Did the release impact areas not on an exploration, development, production, or storage site                               | No                      |

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

|                                                                                                                                                                                                                |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Requesting a remediation plan approval with this submission                                                                                                                                                    | Yes |
| <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  |

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

|                                             |      |
|---------------------------------------------|------|
| Chloride (EPA 300.0 or SM4500 Cl B)         | 702  |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 6930 |
| GRO+DRO (EPA SW-846 Method 8015M)           | 6930 |
| BTEX (EPA SW-846 Method 8021B or 8260B)     | 65.7 |
| Benzene (EPA SW-846 Method 8021B or 8260B)  | 2.6  |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

|                                                                             |            |
|-----------------------------------------------------------------------------|------------|
| On what estimated date will the remediation commence                        | 08/27/2025 |
| On what date will (or did) the final sampling or liner inspection occur     | 08/27/2025 |
| On what date will (or was) the remediation complete(d)                      | 09/03/2025 |
| What is the estimated surface area (in square feet) that will be reclaimed  | 0          |
| What is the estimated volume (in cubic yards) that will be reclaimed        | 0          |
| What is the estimated surface area (in square feet) that will be remediated | 1065       |
| What is the estimated volume (in cubic yards) that will be remediated       | 85         |

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 513131

**QUESTIONS (continued)**

|                                                                            |                                                                             |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                              |
|                                                                            | Action Number:<br>513131                                                    |
|                                                                            | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**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="#">fEEM0112342028 LEA LAND LANDFILL</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Not answered.                                                                                                                                                       |
| (Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Not answered.                                                                                                                                                       |
| (In Situ) Soil Vapor Extraction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Not answered.                                                                                                                                                       |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Not answered.                                                                                                                                                       |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Not answered.                                                                                                                                                       |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Not answered.                                                                                                                                                       |
| Ground Water Abatement pursuant to 19.15.30 NMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Not answered.                                                                                                                                                       |
| OTHER (Non-listed remedial process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Not answered.                                                                                                                                                       |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                     |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |                                                                                                                                                                     |
| I hereby agree and sign off to the above statement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Name: Kennedy Lincoln<br>Title: Environmental Specialist<br>Email: <a href="mailto:kennedy.lincoln@chevron.com">kennedy.lincoln@chevron.com</a><br>Date: 10/08/2025 |
| <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 513131

QUESTIONS (continued)

|                                                                                |                                                                                 |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Operator:<br><br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br><br>4323                                                              |
|                                                                                | Action Number:<br><br>513131                                                    |
|                                                                                | Action Type:<br><br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

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 513131

**QUESTIONS (continued)**

|                                                                            |                                                                             |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                              |
|                                                                            | Action Number:<br>513131                                                    |
|                                                                            | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| Sampling Event Information                                                                      |            |
|-------------------------------------------------------------------------------------------------|------------|
| Last sampling notification (C-141N) recorded                                                    | 498399     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 08/28/2025 |
| What was the (estimated) number of samples that were to be gathered                             | 10         |
| What was the sampling surface area in square feet                                               | 800        |

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

|                                                                                                                                                                                                                                                                                    |                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Requesting a remediation closure approval with this submission                                                                                                                                                                                                                     | 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                                                                                                                                                                                                                        | 1065                                                                               |
| What was the total volume (cubic yards) remediated                                                                                                                                                                                                                                 | 85                                                                                 |
| 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                                                                                                                                                                                                                         | 0                                                                                  |
| What was the total volume (in cubic yards) reclaimed                                                                                                                                                                                                                               | 0                                                                                  |
| Summarize any additional remediation activities not included by answers (above)                                                                                                                                                                                                    | All contamination onsite was removed once equipment was removed. Groundwater >55'. |

*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 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: Kennedy Lincoln<br>Title: Environmental Specialist<br>Email: kennedy.lincoln@chevron.com<br>Date: 10/08/2025 |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|

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QUESTIONS, Page 7  
  
Action 513131

QUESTIONS (continued)

|                                                                                |                                                                                 |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Operator:<br><br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br><br>4323                                                              |
|                                                                                | Action Number:<br><br>513131                                                    |
|                                                                                | Action Type:<br><br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

|                                                                                       |    |
|---------------------------------------------------------------------------------------|----|
| Reclamation Report                                                                    |    |
| Only answer the questions in this group if all reclamation steps have been completed. |    |
| Requesting a reclamation approval with this submission                                | No |

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CONDITIONS

Action 513131

CONDITIONS

|                                                                                |                                                                                 |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Operator:<br><br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br><br>4323                                                              |
|                                                                                | Action Number:<br><br>513131                                                    |
|                                                                                | Action Type:<br><br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

CONDITIONS

| Created By    | Condition                                                                                                                                                                                                                                                                                                                                                                      | Condition Date |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| scott.rodgers | This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete". | 10/24/2025     |