



## SITE INFORMATION

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**Closure Report**  
**Marquardt 1 Penn Fed 1 (04.04.2024)**  
**Incident ID: NAPP2409950483**  
**Eddy County, New Mexico**  
**Unit I Sec 01 T25S R26E**  
**32.15875°, -104.24352°**

**Point of Release:**

**A third-party contractor was performing work in the area to decommission surface poly line and severed an active Blackbuck Resources line instead of their target line.**

**Release Date: 04.04.2024**

**Volume Released: 100 Barrels of Produced Water**

**Volume Recovered: 0 Barrels of Produced Water**

CARMONA RESOURCES



**Prepared for:**  
**Blackbuck Resources**  
**3300 North A Street**  
**Building 5 - Suite 120**  
**Midland, Texas 79705**

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

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June 13, 2024

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

**Re: Closure Report**  
**Marquardt 1 Penn Fed 1 (04.04.2024)**  
**Incident ID: NAPP2409950483**  
**Blackbuck Resources**  
**Site Location: Unit I, S01, T25S, R26E**  
**(Lat 32.15875°, Long -104.24352°)**  
**Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Blackbuck Resources (Blackbuck), Carmona Resources, LLC has prepared this letter to document site activities for the Marquardt 1 Penn Fed 1. The site is located at 32.15875°, -104.24352° within Unit I, S01, T25S, R26E, in Eddy County, New Mexico (Figures 1 and 2).

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

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on April 4, 2024, caused by a third-party contractor performing work in the area to decommission a surface polyline and severed an active Blackbuck Resources line instead of their target line. It resulted in approximately one hundred (100) barrels of produced water with zero (0) barrels of produced water recovered. The impacted area is located along the lease road and into a nearby pipeline right-of-way (ROW). Refer to Figure 3 for a spill overview. The Notice of Release form is attached in Appendix C.

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

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified groundwater determination bore is approximately 0.91 miles Southeast of the site in S6, T22S, R27E and was drilled in 2023. The groundwater determination bore had no signs of water at a depth of 60 feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

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



#### **4.0 Remediation Activities**

On May 13, 2024, Hydro-vac crews began uncovering buried Cimarex Energy Co (Cimarex) and Blackbuck Resources pipelines. Once all buried pipelines were uncovered and depths identified, both Cimarex and Blackbuck approved the beginning of excavation efforts.

Between May 23, 2024, and June 5, 2024, Excavation and Hydro-vac crews worked together to remove all impacted soils onsite to accommodate active oilfield operations and vehicle traffic in the area. Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via web portal on May 21, 2024, May 22, 2024, May 29, 2024, and May 29, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of eighty-seven (87) confirmation floor samples (CS-1 through CS-87) and sixty-nine (69) sidewall samples (SW-1 through SW-69) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA Method 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 4A-4E.

All final confirmation samples were below the reclamation and regulatory requirements for TPH, BTEX, and chloride, except for CS-70, CS-71 and SW-25 which showed elevated chloride levels ranging from 704 mg/kg to 2,680 mg/kg. SW-25 was excavated another 1' to remove impacted material. The area of CS-70 and CS-71 were scraped an additional 0.25' to remove impacted material. Refer to Table 1.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 17,320 square feet and 1,300 cubic yards of material were excavated and transported offsite for proper disposal.

#### **Backfill Material**

Backfill material was sourced locally from Mr. Fred Beard. The backfill pit is located at 32.161928, -104.316363. Two (2) composite stockpile samples (Stockpile Composite #1 & Stockpile Composite #2) were collected. They 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. Backfill Pit location is shown in Figure 5.

#### **5.0 Conclusions**

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

Sincerely,

**Carmona Resources, LLC**

Ashton Thielke  
Sr. Project Manager

Miranda Milwee  
Project Manager



## FIGURES

CARMONA RESOURCES



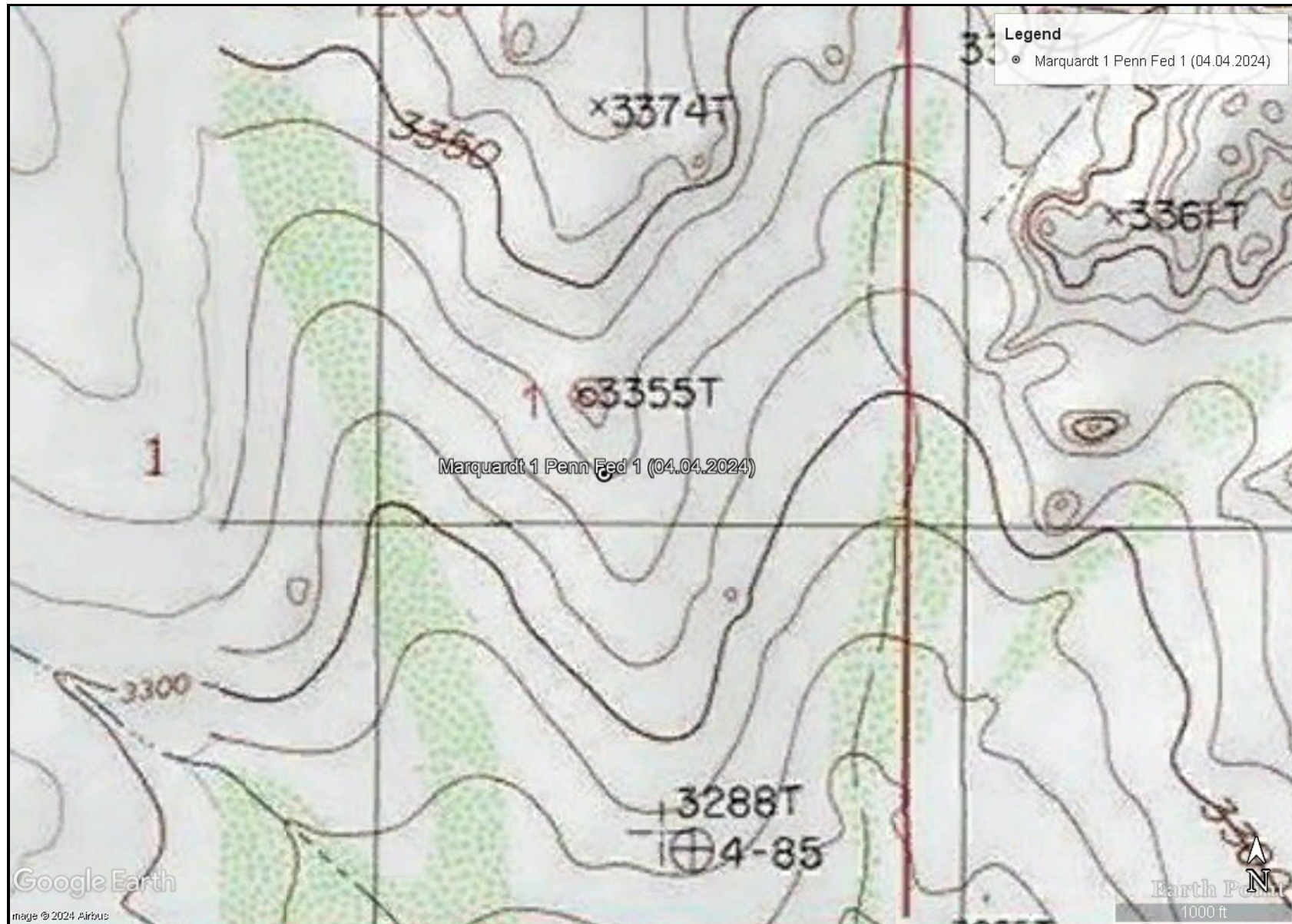


OVERVIEW MAP  
BLACKBUCK NEW MEXICO LLC.  
MARQUARDT 1 PENN FED 1 (04.04.2024)  
EDDY COUNTY, NEW MEXICO  
32.15875°, 104.24352°



FIGURE 1



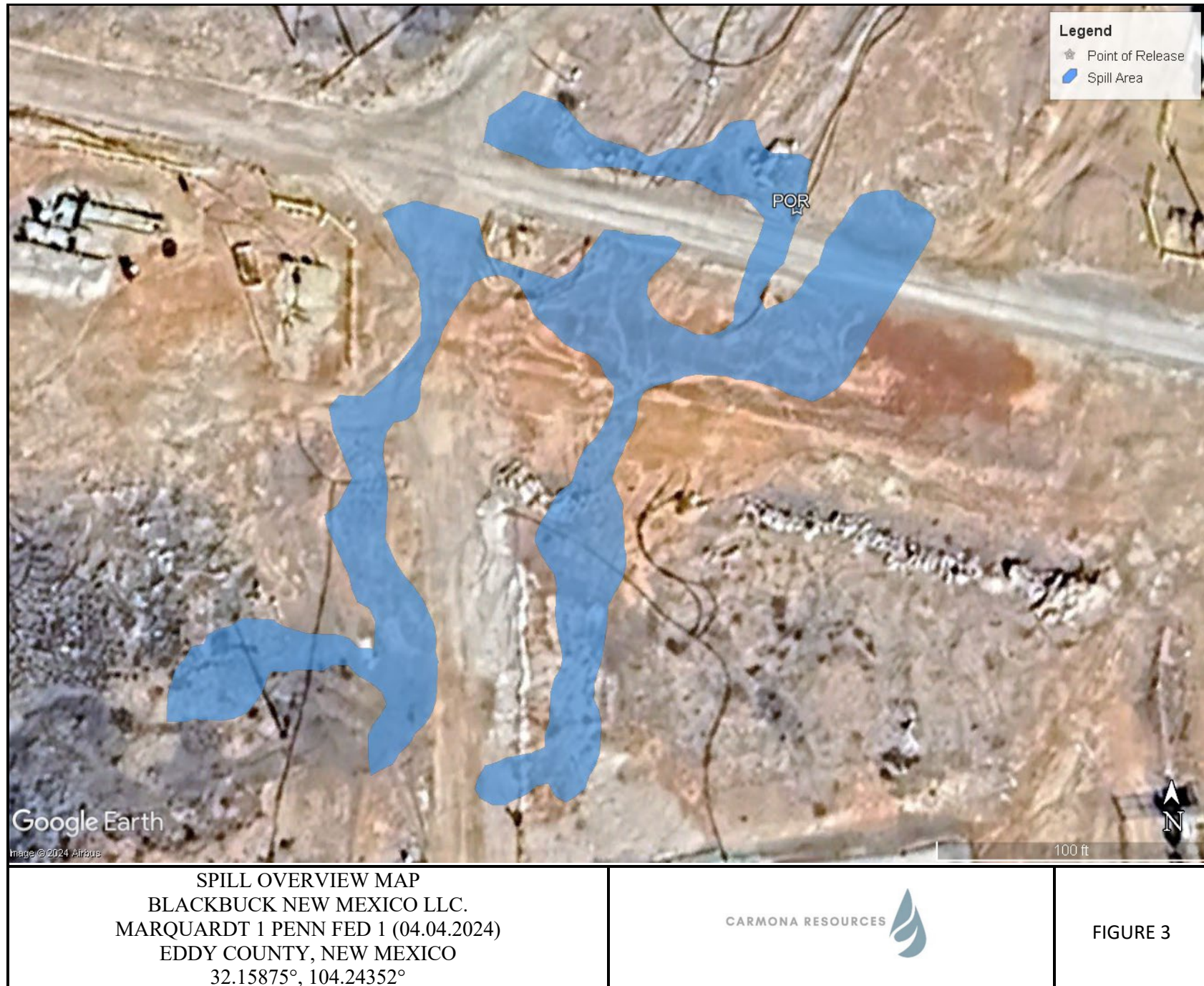


TOPOGRAPHIC MAP  
BLACKBUCK NEW MEXICO LLC.  
MARQUARDT 1 PENN FED 1 (04.04.2024)  
EDDY COUNTY, NEW MEXICO  
32.15875°, 104.24352°

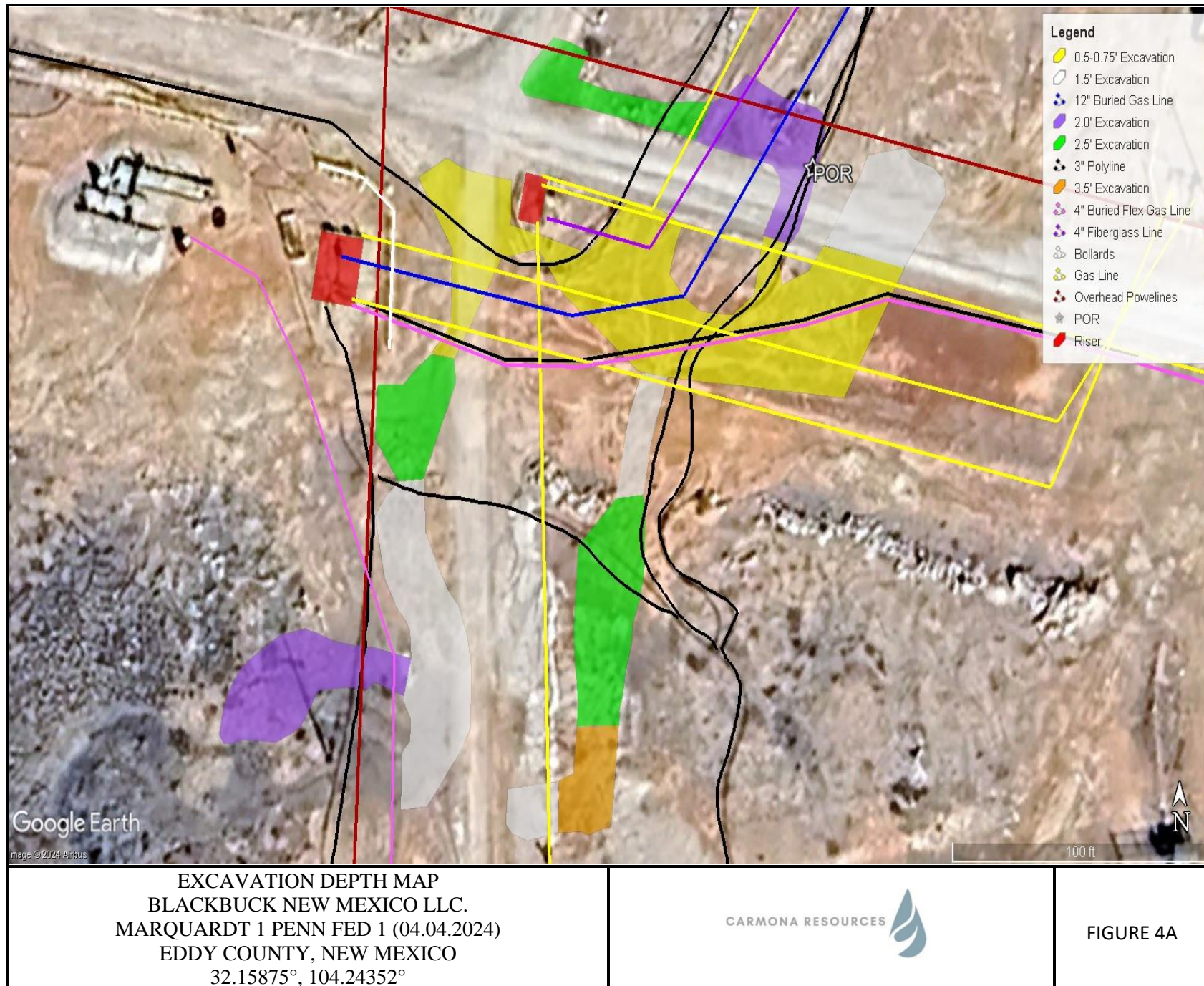


FIGURE 2

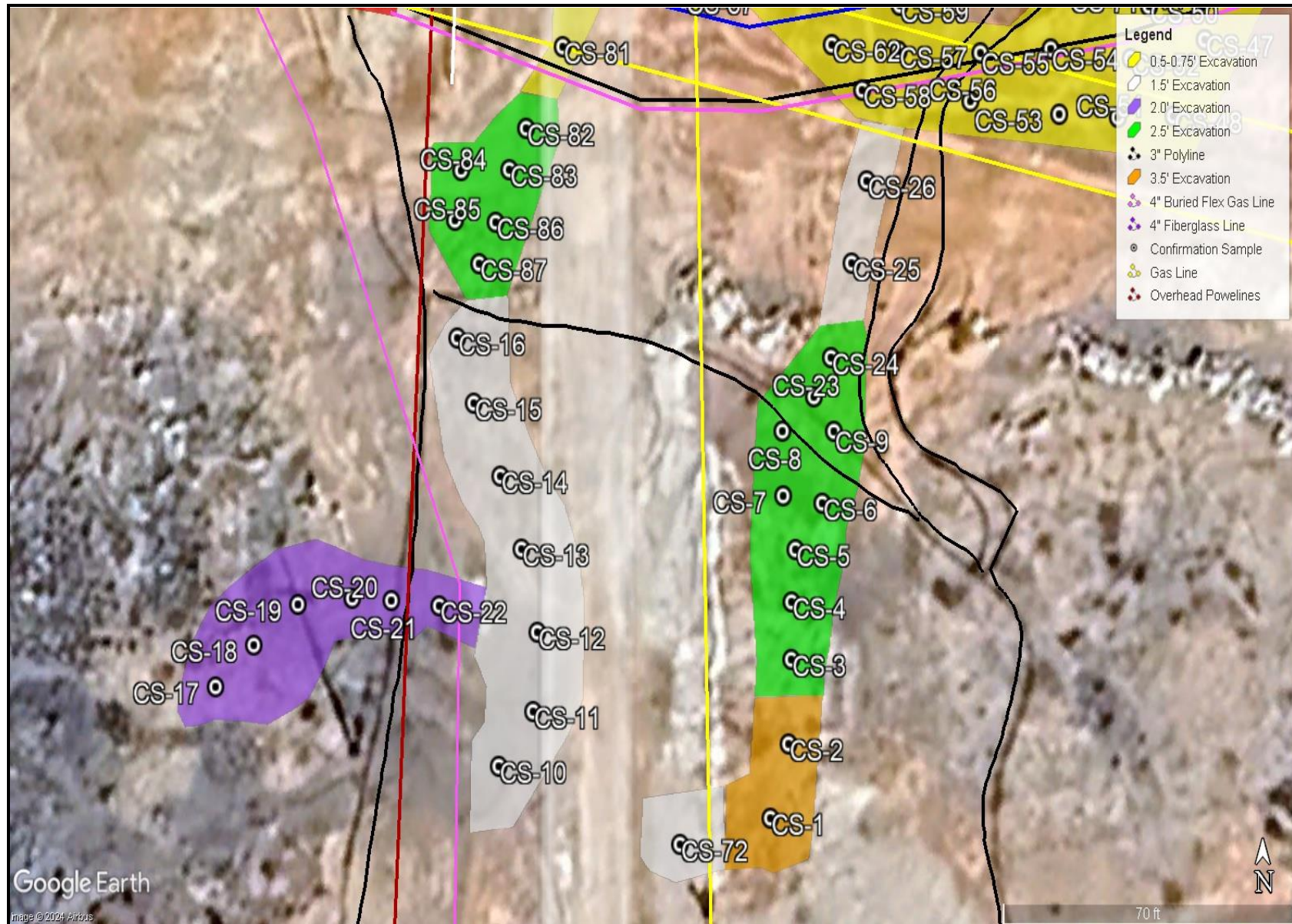










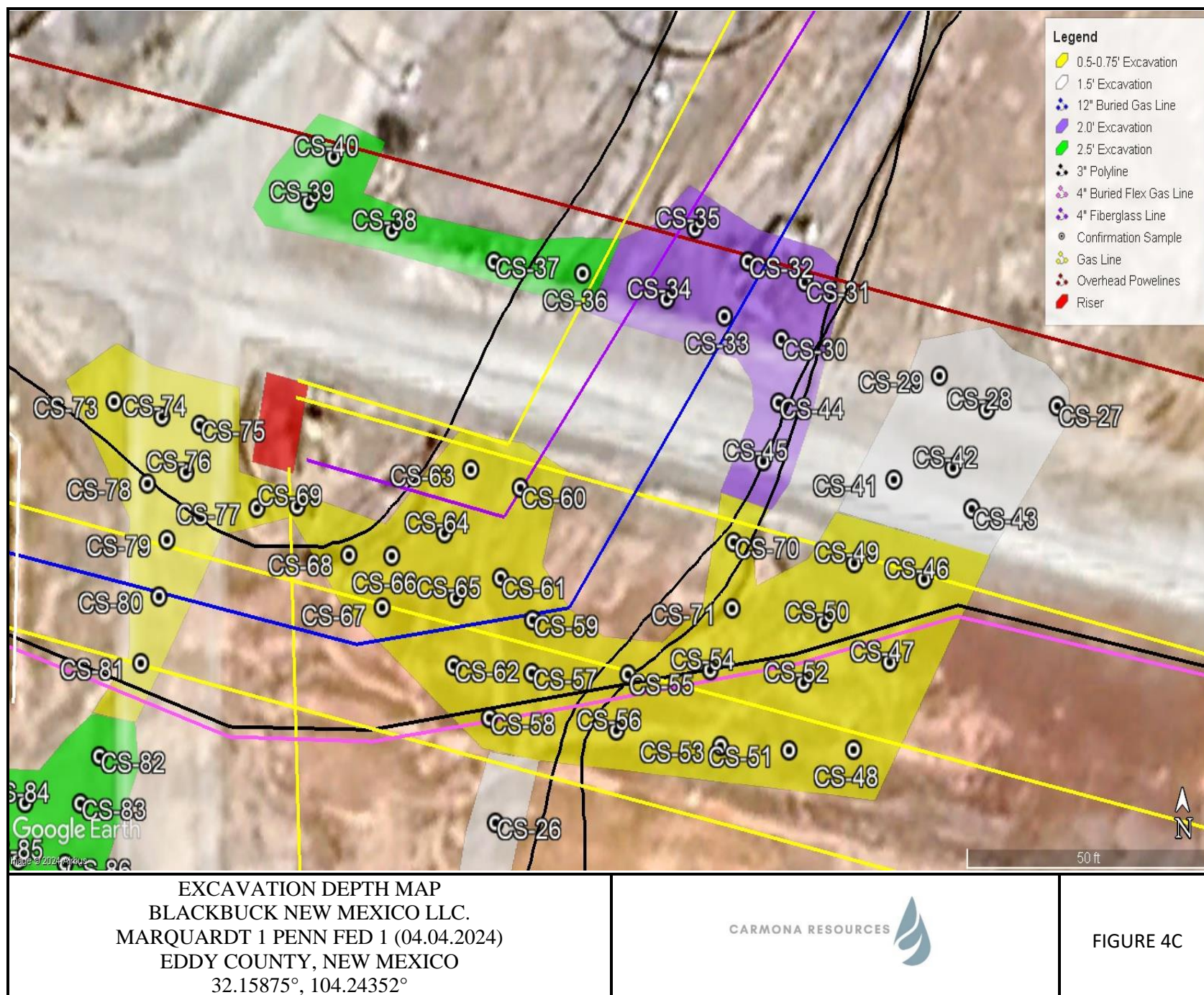


EXCAVATION DEPTH MAP  
 BLACKBUCK NEW MEXICO LLC.  
 MARQUARDT 1 PENN FED 1 (04.04.2024)  
 EDDY COUNTY, NEW MEXICO  
 32.15875°, 104.24352°

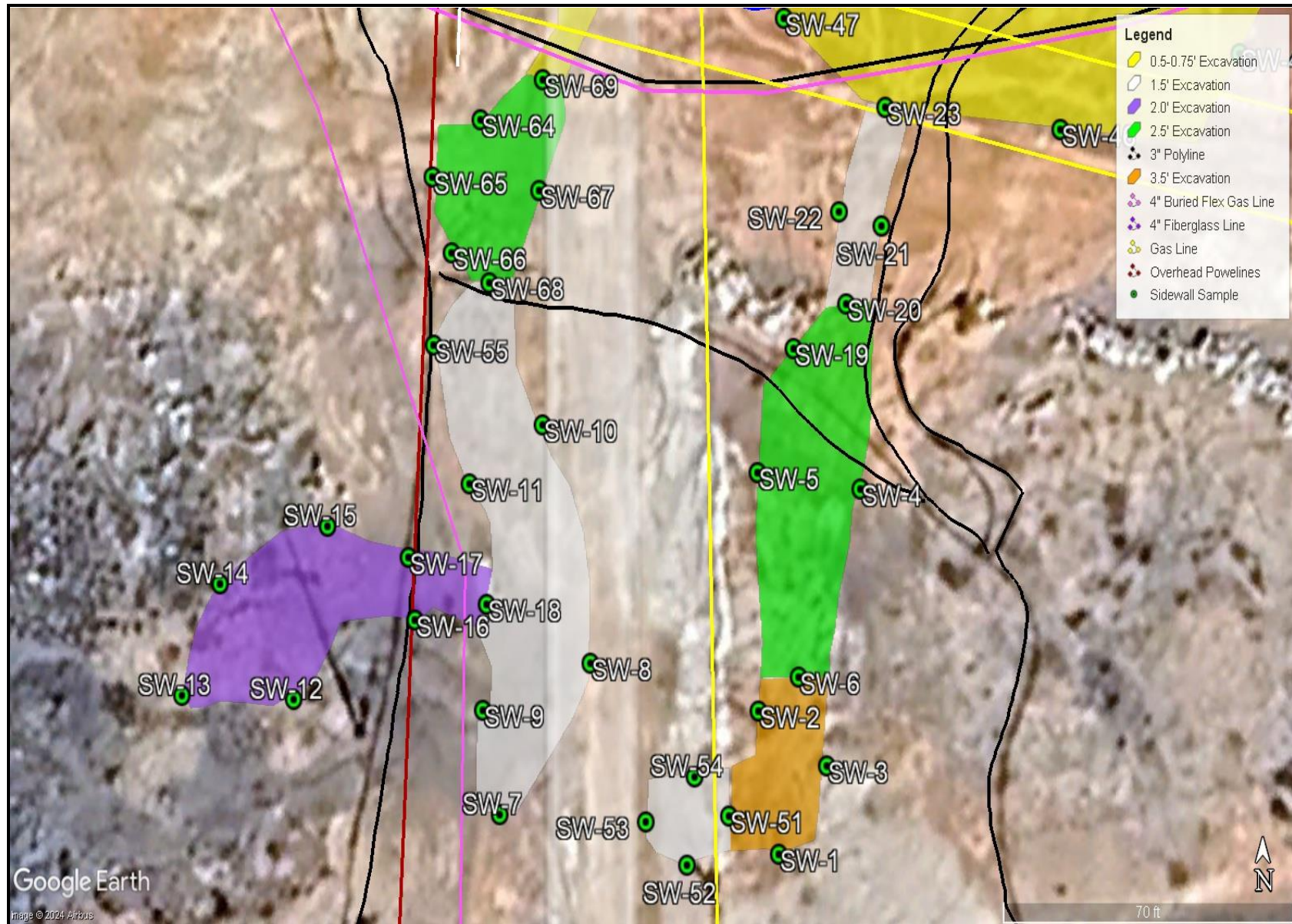


FIGURE 4B







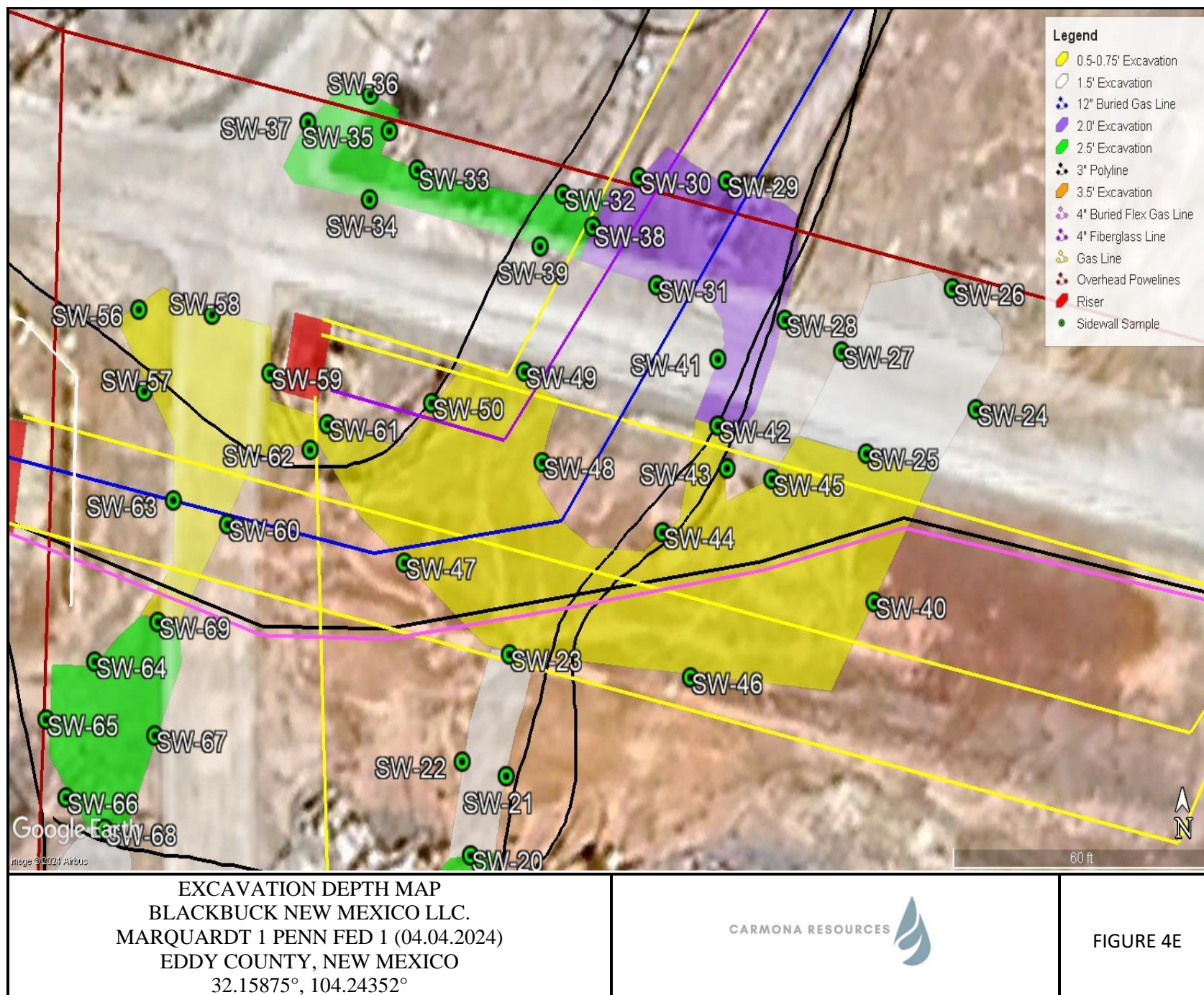


EXCAVATION DEPTH MAP  
 BLACKBUCK NEW MEXICO LLC.  
 MARQUARDT 1 PENN FED 1 (04.04.2024)  
 EDDY COUNTY, NEW MEXICO  
 32.15875°, 104.24352°



FIGURE 4D









## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**Tactical Water Group**  
**Marquadt 1 Penn Fed 1**  
**Eddy County, New Mexico**

| Sample ID                        | Date      | Depth (ft) | TPH (mg/kg) |       |       |           | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|----------------------------------|-----------|------------|-------------|-------|-------|-----------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                                  |           |            | GRO         | DRO   | MRO   | Total     |                 |                 |                      |                |                    |                  |
| CS-1                             | 5/24/2024 | 3.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 112              |
| CS-2                             | 5/24/2024 | 3.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 64.0             |
| CS-3                             | 5/24/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 368              |
| CS-4                             | 5/24/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 384              |
| CS-5                             | 5/24/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 208              |
| CS-6                             | 5/24/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 256              |
| CS-7                             | 5/24/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 176              |
| CS-8                             | 5/24/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 416              |
| CS-9                             | 5/24/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 400              |
| CS-10                            | 5/24/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 448              |
| CS-11                            | 5/24/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 160              |
| CS-12                            | 5/24/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 240              |
| CS-13                            | 5/24/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 160              |
| CS-14                            | 5/24/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 416              |
| CS-15                            | 5/24/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 96.0             |
| CS-16                            | 5/24/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 112              |
| CS-17                            | 5/28/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 144              |
| CS-18                            | 5/28/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 288              |
| CS-19                            | 5/28/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 448              |
| CS-20                            | 5/28/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 400              |
| CS-21                            | 5/30/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 128              |
| CS-22                            | 5/30/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 112              |
| CS-23                            | 5/30/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 96.0             |
| CS-24                            | 5/30/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 112              |
| CS-25                            | 5/30/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 224              |
| CS-26                            | 5/30/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 464              |
| Regulatory Criteria <sup>A</sup> |           |            |             |       |       | 100 mg/kg | 10 mg/kg        | -               | -                    | -              | 50 mg/kg           | 600 mg/kg        |

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Floor Sample



**Table 1**  
**Tactical Water Group**  
**Marquadt 1 Penn Fed 1**  
**Eddy County, New Mexico**

| Sample ID                        | Date      | Depth (ft) | TPH (mg/kg) |       |       |           | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|----------------------------------|-----------|------------|-------------|-------|-------|-----------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                                  |           |            | GRO         | DRO   | MRO   | Total     |                 |                 |                      |                |                    |                  |
| CS-27                            | 5/30/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 112              |
| CS-28                            | 5/30/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 128              |
| CS-29                            | 5/30/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 160              |
| CS-30                            | 5/30/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 16.0             |
| CS-31                            | 5/30/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 32.0             |
| CS-32                            | 6/3/2024  | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 16.0             |
| CS-33                            | 6/3/2024  | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 160              |
| CS-34                            | 6/3/2024  | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 192              |
| CS-35                            | 6/3/2024  | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 176              |
| CS-36                            | 6/3/2024  | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 304              |
| CS-37                            | 6/3/2024  | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 368              |
| CS-38                            | 6/3/2024  | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 160              |
| CS-39                            | 6/3/2024  | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 304              |
| CS-40                            | 6/3/2024  | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 16.0             |
| CS-41                            | 6/3/2024  | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 80.0             |
| CS-42                            | 6/3/2024  | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 64.0             |
| CS-43                            | 6/3/2024  | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 112              |
| CS-44                            | 6/4/2024  | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 64.0             |
| CS-45                            | 6/4/2024  | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 368              |
| CS-46                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 464              |
| CS-47                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 384              |
| CS-48                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 96.0             |
| CS-49                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 96.0             |
| CS-50                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 192              |
| CS-51                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 64.0             |
| CS-52                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 112              |
| Regulatory Criteria <sup>A</sup> |           |            |             |       |       | 100 mg/kg | 10 mg/kg        | -               | -                    | -              | 50 mg/kg           | 600 mg/kg        |

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Floor Sample

**Table 1**  
**Tactical Water Group**  
**Marquadt 1 Penn Fed 1**  
**Eddy County, New Mexico**

| Sample ID                        | Date     | Depth (ft) | TPH (mg/kg) |       |       |           | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|----------------------------------|----------|------------|-------------|-------|-------|-----------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                                  |          |            | GRO         | DRO   | MRO   | Total     |                 |                 |                      |                |                    |                  |
| CS-53                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 96.0             |
| CS-54                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 80.0             |
| CS-55                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 64.0             |
| CS-56                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 464              |
| CS-57                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 480              |
| CS-58                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 192              |
| CS-59                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 128              |
| CS-60                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 48.0             |
| CS-61                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 128              |
| CS-62                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 160              |
| CS-63                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 32.0             |
| CS-64                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 48.0             |
| CS-65                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 80.0             |
| CS-66                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 32.0             |
| CS-67                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 48.0             |
| CS-68                            | 6/4/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 48.0             |
| CS-69                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 400              |
| CS-70                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 752              |
|                                  | 6/7/2024 | 0.5-0.75'  | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| CS-71                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 704              |
|                                  | 6/7/2024 | 0.5-0.75'  | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| CS-72                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 496              |
| CS-73                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 80.0             |
| CS-74                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 48.0             |
| CS-75                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 64.0             |
| CS-76                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 48.0             |
| CS-77                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| Regulatory Criteria <sup>A</sup> |          |            |             |       |       | 100 mg/kg | 10 mg/kg        | -               | -                    | -              | 50 mg/kg           | 600 mg/kg        |

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Floor Sample

Removed

**Table 1**  
**Tactical Water Group**  
**Marquadt 1 Penn Fed 1**  
**Eddy County, New Mexico**

| Sample ID                        | Date     | Depth (ft) | TPH (mg/kg) |       |       |           | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|----------------------------------|----------|------------|-------------|-------|-------|-----------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                                  |          |            | GRO         | DRO   | MRO   | Total     |                 |                 |                      |                |                    |                  |
| CS-78                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| CS-79                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| CS-80                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| CS-81                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| CS-82                            | 6/5/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| CS-83                            | 6/5/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 64.0             |
| CS-84                            | 6/5/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 64.0             |
| CS-85                            | 6/5/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| CS-86                            | 6/5/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 96.0             |
| CS-87                            | 6/5/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| Regulatory Criteria <sup>A</sup> |          |            |             |       |       | 100 mg/kg | 10 mg/kg        | -               | -                    | -              | 50 mg/kg           | 600 mg/kg        |

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Floor Sample

**Table 1**  
**Tactical Water Group**  
**Marquadt 1 Penn Fed 1**  
**Eddy County, New Mexico**

| Sample ID                        | Date      | Depth (ft) | TPH (mg/kg) |       |       |           | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|----------------------------------|-----------|------------|-------------|-------|-------|-----------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                                  |           |            | GRO         | DRO   | MRO   | Total     |                 |                 |                      |                |                    |                  |
| SW-1                             | 5/24/2024 | 3.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 128              |
| SW-2                             | 5/24/2024 | 3.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 112              |
| SW-3                             | 5/24/2024 | 3.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 240              |
| SW-4                             | 5/24/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 320              |
| SW-5                             | 5/24/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 416              |
| SW-6                             | 5/24/2024 | 1.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 176              |
| SW-7                             | 5/24/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 176              |
| SW-8                             | 5/24/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 80.0             |
| SW-9                             | 5/24/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 208              |
| SW-10                            | 5/24/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 160              |
| SW-11                            | 5/24/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 144              |
| SW-12                            | 5/28/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 160              |
| SW-13                            | 5/28/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 160              |
| SW-14                            | 5/28/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 304              |
| SW-15                            | 5/28/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 144              |
| SW-16                            | 5/30/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 224              |
| SW-17                            | 5/30/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 224              |
| SW-18                            | 5/30/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 144              |
| SW-19                            | 5/30/2024 | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 80.0             |
| SW-20                            | 5/30/2024 | 1.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 336              |
| SW-21                            | 5/30/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 160              |
| SW-22                            | 5/30/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 528              |
| SW-23                            | 5/30/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 128              |
| SW-24                            | 5/30/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 192              |
| SW-25                            | 5/30/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 2,680            |
|                                  | 6/5/2024  | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 48.0             |
| SW-26                            | 5/30/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 96.0             |
| 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

(SW) Confirmation Sidewall Sample

Removed



**Table 1**  
**Tactical Water Group**  
**Marquadt 1 Penn Fed 1**  
**Eddy County, New Mexico**

| Sample ID                        | Date      | Depth (ft) | TPH (mg/kg) |       |       |           | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|----------------------------------|-----------|------------|-------------|-------|-------|-----------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                                  |           |            | GRO         | DRO   | MRO   | Total     |                 |                 |                      |                |                    |                  |
| SW-27                            | 5/30/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 112              |
| SW-28                            | 5/30/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 112              |
| SW-29                            | 5/30/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 32.0             |
| SW-30                            | 5/30/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 16.0             |
| SW-31                            | 6/3/2024  | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 304              |
| SW-32                            | 6/3/2024  | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 240              |
| SW-33                            | 6/3/2024  | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 304              |
| SW-34                            | 6/3/2024  | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 112              |
| SW-35                            | 6/3/2024  | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 96.0             |
| SW-36                            | 6/3/2024  | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 176              |
| SW-37                            | 6/3/2024  | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 80.0             |
| SW-38                            | 6/3/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 160              |
| SW-39                            | 6/3/2024  | 2.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 96.0             |
| SW-40                            | 6/3/2024  | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 144              |
| SW-41                            | 6/4/2024  | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 208              |
| SW-42                            | 6/4/2024  | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 384              |
| SW-43                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 64.0             |
| SW-44                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 64.0             |
| SW-45                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 64.0             |
| SW-46                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 64.0             |
| SW-47                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 432              |
| SW-48                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 240              |
| SW-49                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 224              |
| SW-50                            | 6/4/2024  | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 128              |
| SW-51                            | 6/5/2024  | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| SW-52                            | 6/5/2024  | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 304              |
| 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

(SW) Confirmation Sidewall Sample

 Removed

**Table 1**  
**Tactical Water Group**  
**Marquadt 1 Penn Fed 1**  
**Eddy County, New Mexico**

| Sample ID                        | Date     | Depth (ft) | TPH (mg/kg) |       |       |           | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|----------------------------------|----------|------------|-------------|-------|-------|-----------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                                  |          |            | GRO         | DRO   | MRO   | Total     |                 |                 |                      |                |                    |                  |
| SW-53                            | 6/5/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 80.0             |
| SW-54                            | 6/5/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| SW-55                            | 6/5/2024 | 1.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| SW-56                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 80.0             |
| SW-57                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 96.0             |
| SW-58                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 176              |
| SW-59                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 144              |
| SW-60                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 144              |
| SW-61                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| SW-62                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| SW-63                            | 6/5/2024 | 0.5'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| SW-64                            | 6/5/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 144              |
| SW-65                            | 6/5/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 128              |
| SW-66                            | 6/5/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 96.0             |
| SW-67                            | 6/5/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 64.0             |
| SW-68                            | 6/5/2024 | 1.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 96.0             |
| SW-69                            | 6/5/2024 | 2.0'       | <10.0       | <10.0 | <10.0 | <10.0     | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 160              |
| 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

(SW) Confirmation Sidewall Sample

**Table 1**  
**Tactical Water Group**  
**Marquadt 1 Penn Fed 1**  
**Eddy County, New Mexico**

| Sample ID                        | Date     | Depth (ft) | TPH (mg/kg) |       |       |       | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|----------------------------------|----------|------------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                                  |          |            | GRO         | DRO   | MRO   | Total |                 |                 |                      |                |                    |                  |
| Stockpile Composite #1           | 6/4/2024 | -          | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 48.0             |
| Stockpile Composite #2           | 6/4/2024 | -          | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.150             | 64.0             |
| 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

## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

Blackbuck New Mexico LLC

## Photograph No. 1

**Facility:** Marquardt 1 Penn Fed 1

**County:** Eddy County, New Mexico

**Description:**

View Northeast, area of of CS-1 through CS-9, CS-23 and CS-24.



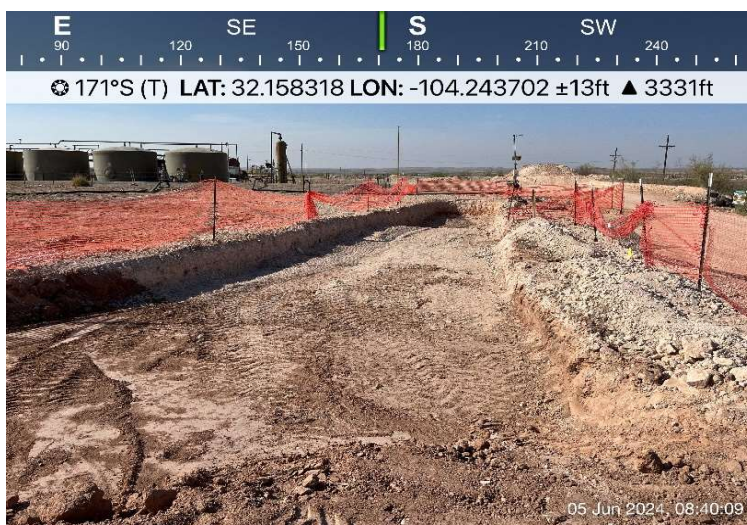
## Photograph No. 2

**Facility:** Marquardt 1 Penn Fed 1

**County:** Eddy County, New Mexico

**Description:**

View South, area of of CS-1 through CS-9, CS-23 and CS-24.



## Photograph No. 3

**Facility:** Marquardt 1 Penn Fed 1

**County:** Eddy County, New Mexico

**Description:**

View Southeast, area of CS-10 through CS-16.



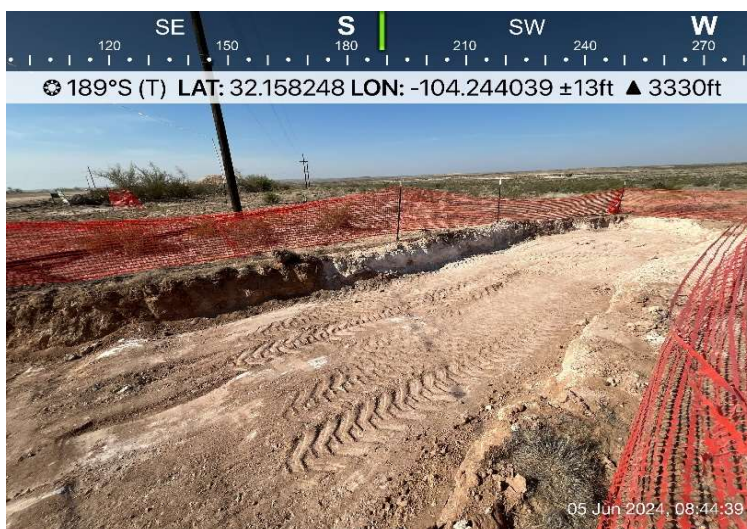


**PHOTOGRAPHIC LOG****Blackbuck New Mexico LLC****Photograph No. 4****Facility:** Marquardt 1 Penn Fed 1**County:** Eddy County, New Mexico**Description:**

View North, area of CS-10 through CS-16.

**Photograph No. 5****Facility:** Marquardt 1 Penn Fed 1**County:** Eddy County, New Mexico**Description:**

View South, area of CS-17 through CS-20.

**Photograph No. 6****Facility:** Marquardt 1 Penn Fed 1**County:** Eddy County, New Mexico**Description:**

View Northwest, area of CS-20 through CS-22.





**PHOTOGRAPHIC LOG****Blackbuck New Mexico LLC****Photograph No. 7****Facility:** Marquardt 1 Penn Fed 1**County:** Eddy County, New Mexico**Description:**

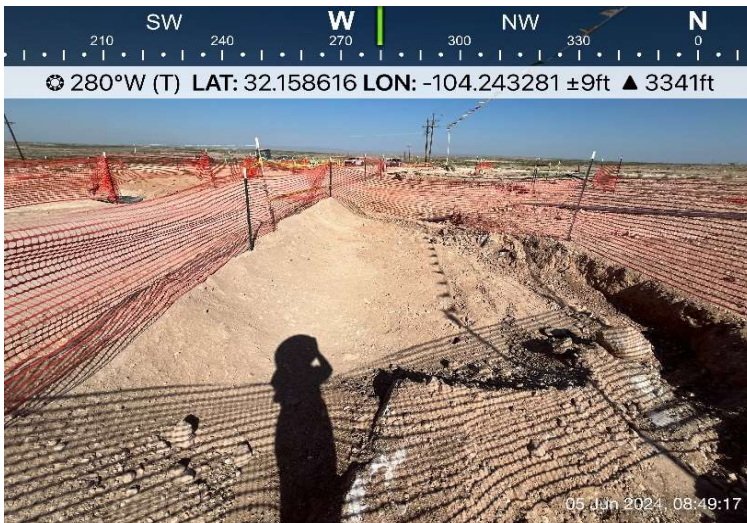
View North, area of CS-24 through CS-26.

**Photograph No. 8****Facility:** Marquardt 1 Penn Fed 1**County:** Eddy County, New Mexico**Description:**

View S, area of CS-25 and CS-26.

**Photograph No. 9****Facility:** Marquardt 1 Penn Fed 1**County:** Eddy County, New Mexico**Description:**

View West, area of CS-27 through CS-29.





## PHOTOGRAPHIC LOG

Blackbuck New Mexico LLC

## Photograph No. 10

Facility: Marquardt 1 Penn Fed 1

County: Eddy County, New Mexico

## Description:

View West, area of CS-30 through CS-35.



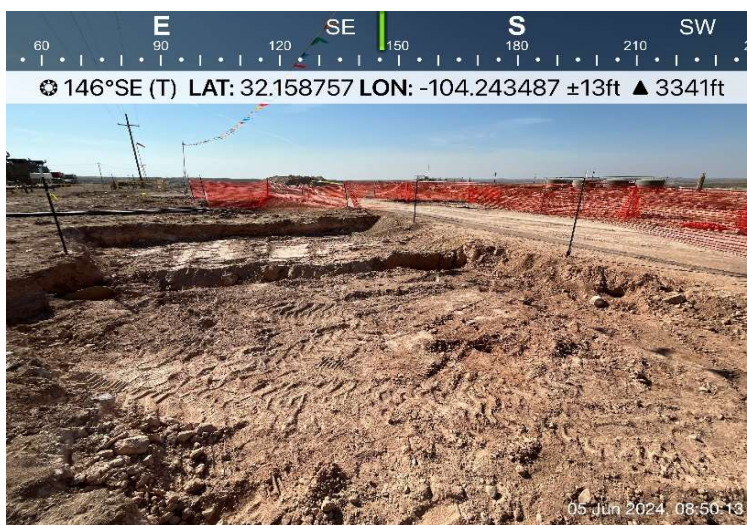
## Photograph No. 11

Facility: Marquardt 1 Penn Fed 1

County: Eddy County, New Mexico

## Description:

View Southeast, area of CS-30 through CS-35.



## Photograph No. 12

Facility: Marquardt 1 Penn Fed 1

County: Eddy County, New Mexico

## Description:

View East, area of CS-36 through CS-40.



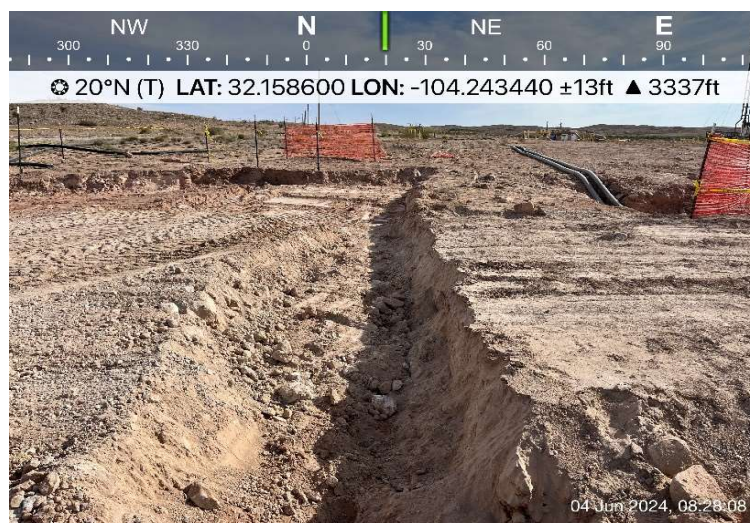


**PHOTOGRAPHIC LOG****Blackbuck New Mexico LLC****Photograph No. 13****Facility:** Marquardt 1 Penn Fed 1**County:** Eddy County, New Mexico**Description:**

View West, area of CS-41 through CS-43.

**Photograph No. 14****Facility:** Marquardt 1 Penn Fed 1**County:** Eddy County, New Mexico**Description:**

View North, area of CS-44 and CS-45.

**Photograph No. 15****Facility:** Marquardt 1 Penn Fed 1**County:** Eddy County, New Mexico**Description:**

View Southwest, area of CS-46 through CS-69.





# PHOTOGRAPHIC LOG

## Blackbuck New Mexico LLC

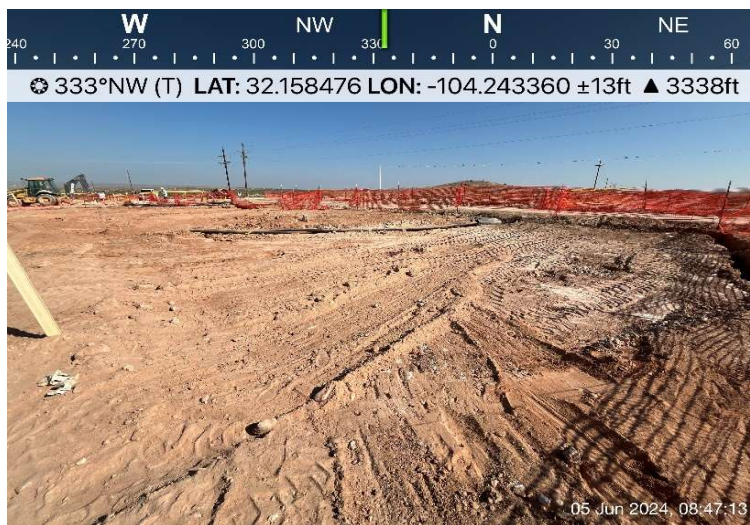
### Photograph No. 16

**Facility:** Marquardt 1 Penn Fed 1

**County:** Eddy County, New Mexico

**Description:**

View Northwest, area of CS-45 through CS-69.



### Photograph No. 17

**Facility:** Marquardt 1 Penn Fed 1

**County:** Eddy County, New Mexico

**Description:**

View Southwest, area of CS-56 through CS-69.



### Photograph No. 18

**Facility:** Marquardt 1 Penn Fed 1

**County:** Eddy County, New Mexico

**Description:**

View South, area CS-46 through CS-56, CS-70, and CS-71.





# PHOTOGRAPHIC LOG

Blackbuck New Mexico LLC

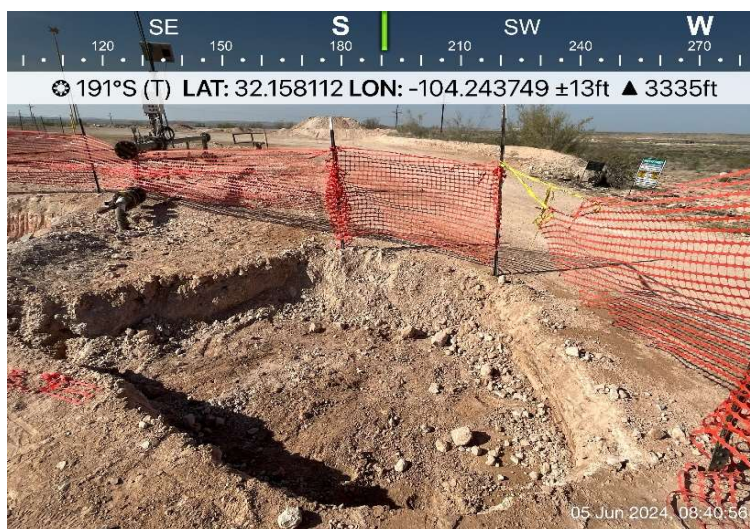
## Photograph No. 19

**Facility:** Marquardt 1 Penn Fed 1

**County:** Eddy County, New Mexico

**Description:**

View South, area of CS-72.



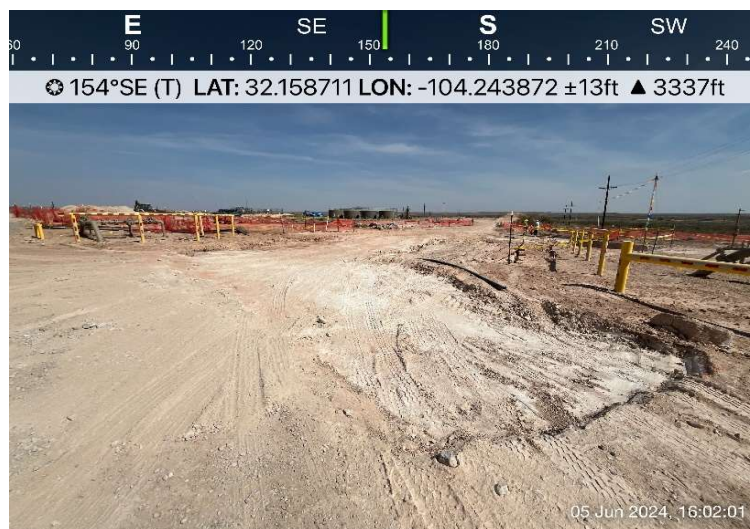
## Photograph No. 20

**Facility:** Marquardt 1 Penn Fed 1

**County:** Eddy County, New Mexico

**Description:**

View Southeast, area of CS-73 through CS-81.



## Photograph No. 21

**Facility:** Marquardt 1 Penn Fed 1

**County:** Eddy County, New Mexico

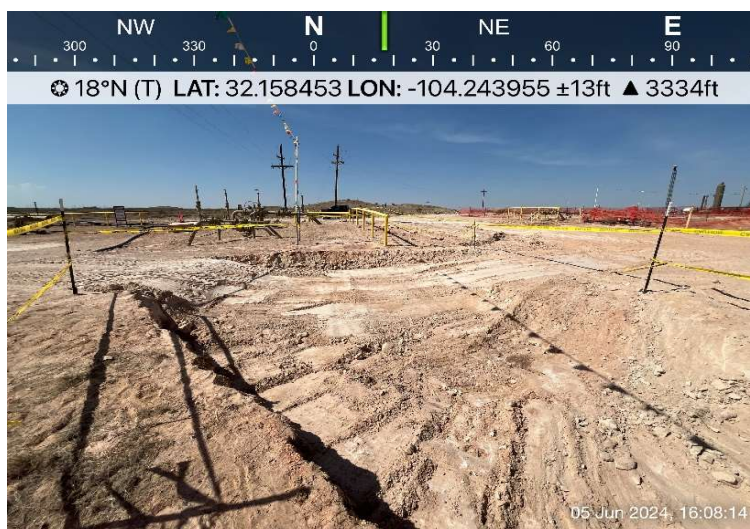
**Description:**

View Southwest, area of CS-73 through CS-76 and CS-78 through CS-81.



**PHOTOGRAPHIC LOG****Blackbuck New Mexico LLC****Photograph No. 22****Facility:** Marquardt 1 Penn Fed 1**County:** Eddy County, New Mexico**Description:**

View North, area of CS-82 through CS-87.

**Photograph No. 23****Facility:** Marquardt 1 Penn Fed 1**County:** Eddy County, New Mexico**Description:**

View South, area of CS-82 through CS-87.



## APPENDIX C

CARMONA RESOURCES





**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 331077

QUESTIONS

|  |  |
|--|--|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:<br>373619                                       |
|  | Action Number:<br>331077                               |
|  | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

QUESTIONS

|  |                        |
|--|------------------------|
| Location of Release Source                     |                        |
| Please answer all the questions in this group. |                        |
| Site Name                                      | Marquardt 1 Penn Fed 1 |
| Date Release Discovered                        | 04/04/2024             |
| Surface Owner                                  | Federal                |

|  |                        |
|--|------------------------|
| Incident Details   |                        |
| Please answer all the questions in this group.   |                        |
| Incident Type  | Produced Water Release |
| Did this release result in a fire or is the result of a fire   | No                     |
| Did this release result in any injuries  | No                     |
| Has this release reached or does it have a reasonable probability of reaching a watercourse          | No                     |
| Has this release endangered or does it have a reasonable probability of endangering public health    | No                     |
| Has this release substantially damaged or will it substantially damage property or the environment   | Yes                    |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No                     |

|  |   |
|--|---|
| Nature and Volume of Release   |   |
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. |   |
| Crude Oil Released (bbls) Details  | Not answered.   |
| Produced Water Released (bbls) Details   | Cause: Human Error   Pipeline (Any)   Produced Water   Released: 100 BBL   Recovered: 0 BBL   Lost: 100 BBL.  |
| Is the concentration of chloride in the produced water >10,000 mg/l  | Yes   |
| Condensate Released (bbls) Details   | Not answered.   |
| Natural Gas Vented (Mcf) Details   | Not answered.   |
| Natural Gas Flared (Mcf) Details   | Not answered.   |
| Other Released Details   | Not answered.   |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)                                 | This release was caused by a third party contractor, ( Tactical Water Group) severing a produced water pipeline, while performing work for another Operator, ( Select Energy Services). Blackbuck Resources, nor its facilities, equipment, contractors, or personnel were the cause of this release. |

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

QUESTIONS, Page 2  
Action 331077

QUESTIONS (continued)

|  |                |
|--|----------------|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:         |
|  | 373619         |
|  | Action Number: |
|  | 331077         |
| Action Type:   |                |
| [NOTIFY] Notification Of Release (NOR)   |                |

QUESTIONS

| Nature and Volume of Release (continued)  |   |
|---|---|
| Is this a gas only submission (i.e. only significant Mcf values reported)   | No, according to supplied volumes this does not appear to be a "gas only" report.   |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC  | Yes   |
| Reasons why this would be considered a submission for a notification of a major release   | From paragraph A. "Major release" determine using:<br>(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more;<br>(2) an unauthorized release of a volume that:<br>(d) substantially damages property or the environment. |
| 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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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

ACKNOWLEDGMENTS  
  
Action 331077

ACKNOWLEDGMENTS

|  |  |
|--|--|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:<br>373619                                       |
|  | Action Number:<br>331077                               |
|  | 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 331077

CONDITIONS

|  |  |
|--|--|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:<br>373619                                       |
|  | Action Number:<br>331077                               |
|  | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

CONDITIONS

| Created By | Condition   | Condition Date |
|------------|---|----------------|
| kmoser     | When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141. | 4/8/2024       |

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

## Closure

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

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

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

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

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

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

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

**OCD Only**

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

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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

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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 346420

QUESTIONS

|  |  |
|--|--|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:<br>373619   |
|  | Action Number:<br>346420                                   |
|  | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

QUESTIONS

|                  |   |
|------------------|---|
| Prerequisites    |   |
| Incident ID (n#) | nAPP2409950483                            |
| Incident Name    | NAPP2409950483 MARQUARDT 1 PENN FED 1 @ 0 |
| Incident Type    | Produced Water Release                    |
| Incident Status  | Notification Accepted                     |

|                            |                        |
|----------------------------|------------------------|
| Location of Release Source |                        |
| Site Name                  | Marquardt 1 Penn Fed 1 |
| Date Release Discovered    | 04/04/2024             |
| Surface Owner              | Federal                |

|   |  |
|---|--|
| Sampling Event General Information  |  |
| Please answer all the questions in this group.  |  |
| What is the sampling surface area in square feet  | 18,900   |
| What is the estimated number of samples that will be gathered                                   | 100  |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 05/24/2024   |
| Time sampling will commence   | 09:00 AM   |
| Please provide any information necessary for observers to contact samplers                      | Gilbert Priego, (432-813-7389) Miranda Milwee, ( 432-813-9652) |
| Please provide any information necessary for navigation to sampling site                        | GPS Coordinates 32.158435N, 104.243623W                        |



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 346420

CONDITIONS

|  |  |
|--|--|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:<br>373619   |
|  | Action Number:<br>346420                                   |
|  | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

CONDITIONS

| Created By | Condition   | Condition Date |
|------------|---|----------------|
| kmoser     | Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted. | 5/21/2024      |

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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 346639

QUESTIONS

|  |  |
|--|--|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:<br>373619   |
|  | Action Number:<br>346639                                   |
|  | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

QUESTIONS

|                  |   |
|------------------|---|
| Prerequisites    |   |
| Incident ID (n#) | nAPP2409950483                            |
| Incident Name    | NAPP2409950483 MARQUARDT 1 PENN FED 1 @ 0 |
| Incident Type    | Produced Water Release                    |
| Incident Status  | Notification Accepted                     |

|                            |                        |
|----------------------------|------------------------|
| Location of Release Source |                        |
| Site Name                  | Marquardt 1 Penn Fed 1 |
| Date Release Discovered    | 04/04/2024             |
| Surface Owner              | Federal                |

|   |   |
|---|---|
| Sampling Event General Information  |   |
| Please answer all the questions in this group.  |   |
| What is the sampling surface area in square feet  | 18,900  |
| What is the estimated number of samples that will be gathered                                   | 100   |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 05/28/2024  |
| Time sampling will commence   | 09:00 AM  |
| Please provide any information necessary for observers to contact samplers                      | Sampler contacts; Gilbert Priego, (432-813-7389) Miranda Milwee, ( 432-813-9652)<br>Sampling will occur on 5/28/2024 thru 5/31/2024 |
| Please provide any information necessary for navigation to sampling site                        | GPS coordinates of work site is 32.158435N, 104.243623W Eddy County   |

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Energy, Minerals and Natural Resources  
Oil Conservation Division  
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Santa Fe, NM 87505

CONDITIONS

Action 346639

CONDITIONS

|  |  |
|--|--|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:<br>373619   |
|  | Action Number:<br>346639                                   |
|  | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

CONDITIONS

| Created By | Condition   | Condition Date |
|------------|---|----------------|
| kmoser     | Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted. | 5/22/2024      |



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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
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Santa Fe, NM 87505

QUESTIONS

Action 348643

QUESTIONS

|  |  |
|--|--|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:<br>373619   |
|  | Action Number:<br>348643                                   |
|  | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

QUESTIONS

|                  |   |
|------------------|---|
| Prerequisites    |   |
| Incident ID (n#) | nAPP2409950483                            |
| Incident Name    | NAPP2409950483 MARQUARDT 1 PENN FED 1 @ 0 |
| Incident Type    | Produced Water Release                    |
| Incident Status  | Notification Accepted                     |

|                            |                        |
|----------------------------|------------------------|
| Location of Release Source |                        |
| Site Name                  | Marquardt 1 Penn Fed 1 |
| Date Release Discovered    | 04/04/2024             |
| Surface Owner              | Federal                |

|   |   |
|---|---|
| Sampling Event General Information  |   |
| Please answer all the questions in this group.  |   |
| What is the sampling surface area in square feet  | 18,900  |
| What is the estimated number of samples that will be gathered                                   | 100   |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 06/03/2024  |
| Time sampling will commence   | 08:00 AM  |
| Please provide any information necessary for observers to contact samplers                      | Sampler contact info - Gilbert Priego, 432-813-7389 or Miranda Milwee, 432-813-9652<br>Sampling will take place on 6/3/2024 and 6/4/2024          |
| Please provide any information necessary for navigation to sampling site                        | GPS Coordinates - 32.158435N, 104.243623W Carmona Resources will be onsite from 06/03/2024 - 06/04/2024 to collect composite confirmation samples |

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Oil Conservation Division  
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CONDITIONS  
  
Action 348643

CONDITIONS

|  |  |
|--|--|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:<br>373619   |
|  | Action Number:<br>348643                                   |
|  | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

CONDITIONS

| Created By | Condition   | Condition Date |
|------------|---|----------------|
| kmoser     | Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted. | 5/29/2024      |

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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 349868

QUESTIONS

|  |  |
|--|--|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:<br>373619   |
|  | Action Number:<br>349868                                   |
|  | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

QUESTIONS

|                  |   |
|------------------|---|
| Prerequisites    |   |
| Incident ID (n#) | nAPP2409950483                            |
| Incident Name    | NAPP2409950483 MARQUARDT 1 PENN FED 1 @ 0 |
| Incident Type    | Produced Water Release                    |
| Incident Status  | Notification Accepted                     |

|                            |                        |
|----------------------------|------------------------|
| Location of Release Source |                        |
| Site Name                  | Marquardt 1 Penn Fed 1 |
| Date Release Discovered    | 04/04/2024             |
| Surface Owner              | Federal                |

|   |  |
|---|--|
| Sampling Event General Information  |  |
| Please answer all the questions in this group.  |  |
| What is the sampling surface area in square feet  | 18,900   |
| What is the estimated number of samples that will be gathered                                   | 100  |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 06/05/2024   |
| Time sampling will commence   | 08:00 AM   |
| Please provide any information necessary for observers to contact samplers                      | Sampler contact info. Gilbert Priego, 432-813-7389 Miranda Milwee, 432-813-9653 Carmona Resources will be onsite from 06/05/2024 thru 06/07/2024 to collect composite confirmation samples |
| Please provide any information necessary for navigation to sampling site                        | GPS Coordinates: 32.158435N, 104.243623W   |



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CONDITIONS

Action 349868

CONDITIONS

|  |  |
|--|--|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:<br>373619   |
|  | Action Number:<br>349868                                   |
|  | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

CONDITIONS

| Created By | Condition   | Condition Date |
|------------|---|----------------|
| kmoser     | Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted. | 5/31/2024      |

## APPENDIX D

CARMONA RESOURCES





**Nearest water well**

Blackbuck New Mexico LLC

**Legend**

- 0.50 Mile Radius
- 0.91 Miles
- 1.85 Miles
- 2.10 Miles
- 2.37 Miles
- Groundwater Determination Bore
- Marquardt 1 Penn Fed 1 (04.04.2024)
- NMSEO Water Well

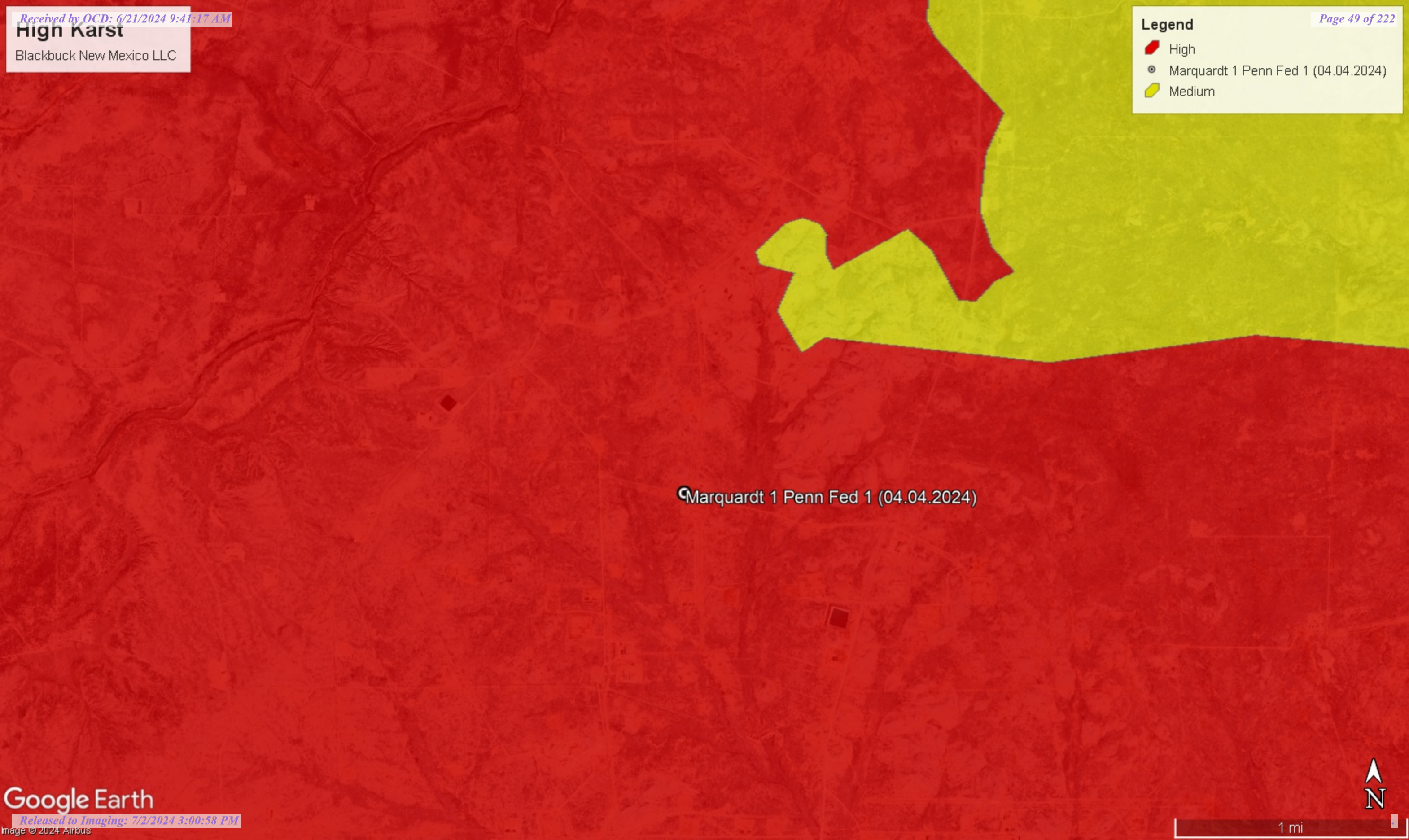




**High Karst**  
Blackbuck New Mexico LLC

**Legend**

-  High
-  Marquardt 1 Penn Fed 1 (04.04.2024)
-  Medium







# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number                   | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X      | Y        | Distance | Depth Well | Depth Water | Water Column |
|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| <a href="#">C 00819</a>      | C            | ED    |        | 4    | 4    | 26  | 24S | 26E |     | 570022 | 3560935* | 2957     | 62         | 42          | 20           |
| <a href="#">C 04586 POD1</a> | C            | ED    |        | 4    | 1    | 1   | 35  | 24S | 26E | 568993 | 3560476  | 3205     | 150        |             |              |
| <a href="#">C 03200 POD1</a> | C            | ED    |        | 2    | 3    | 4   | 34  | 24S | 26E | 568206 | 3559349  | 3301     | 80         | 52          | 28           |
| <a href="#">C 03569 POD1</a> | CUB          | ED    |        | 2    | 1    | 1   | 14  | 25S | 26E | 568862 | 3555746  | 3539     | 30         | 0           | 30           |
| <a href="#">C 01089</a>      | C            | ED    |        | 3    | 4    | 1   | 03  | 25S | 26E | 567505 | 3558398* | 3827     | 96         | 45          | 51           |

Average Depth to Water: **34 feet**

Minimum Depth: **0 feet**

Maximum Depth: **52 feet**

Record Count: 5

UTM NAD83 Radius Search (in meters):

**Easting (X):** 571331.1

**Northing (Y):** 3558282.8

**Radius:** 4000

\*UTM location was derived from PLSS - see Help

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4/18/24 12:55 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

## SOIL BORE LOG

|                 |   |                  |   |
|-----------------|---|------------------|---|
| <b>Project:</b> | Scoter 6-31 Fed Com #7H,43H,44H Battery | <b>Date:</b>     | May 31, 2023                              |
| <b>Type:</b>    | Exploratory Water Bore                  | <b>Location:</b> | Scoter 6-31 Fed Com<br>7H,43H,44H Battery |

| Depth  | Soil Type       | Classification | Comments                             |
|--------|-----------------|----------------|--------------------------------------|
| 0'     | Caliche         |                |                                      |
| 5'     | Gypsum/Clay     |                | Gypsum-70% Clay-30%                  |
| 10'    | Gypsum/Red Clay |                | Gypsum-50% Red Clay-50%              |
| 15"    | Gypsum/Red Clay |                | Gypsum-50% Red Clay-50%              |
| 20'    | Gypsum/Red Clay |                | Gypsum-50% Red Clay-50%              |
| 25'    | Gypsum          |                |                                      |
| 30'    | Gypsum/Red Clay |                | Gypsum-20% Red Clay-80%              |
| 35'    | Gypsum/Red Clay |                | Gypsum-90% Red Clay-10%              |
| 40'    | Gypsum/Red Clay |                | Gypsum-50% Red Clay-50%              |
| 45'    | Gypsum/Red Clay |                | Gypsum-50% Red Clay-50%              |
| 50'    | Gypsum/Red Clay |                | Gypsum-50% Red Clay-50%              |
| 55'    | Gypsum/Red Clay |                | Gypsum-50% Red Clay-50%              |
| 60' TD | Gypsum/Red Clay |                | Gypsum-50% Red Clay-50%              |
|        |                 |                | No Groundwater 5/31/2023 - 6/08/2023 |
|        |                 |                | GPS: 32.155795,-104.22849            |
|        |                 |                |                                      |
|        |                 |                |                                      |
|        |                 |                |                                      |



# North West Elevation

☉ 132°SE (T) ☉ 32.155777, -104.228452 ±2 m ▲ 991 m





# North East Elevation

☀ 238°SW (T) ● 32.155795, -104.22849 ±1 m ▲ 993 m



Water Bore


Scoter 6-31 Fed Com 7H,43H,44H Bat





# New Mexico Office of the State Engineer

## Point of Diversion Summary

|                                |            |                                    |     |    |                      |                                    |                               |          |   |                       |         |
|--------------------------------|------------|------------------------------------|-----|----|----------------------|------------------------------------|-------------------------------|----------|---|-----------------------|---------|
|                                |            | (quarters are 1=NW 2=NE 3=SW 4=SE) |     |    |                      | (quarters are smallest to largest) |                               |          |   | (NAD83 UTM in meters) |         |
| Well Tag                       | POD Number | Q64                                | Q16 | Q4 | Sec                  | Tws                                | Rng                           | X        | Y   |                       |         |
|                                | C 00819    | 4                                  | 4   | 26 | 24S                  | 26E                                | 570022                        | 3560935* |  |                       |         |
| x                              |            |                                    |     |    |                      |                                    |                               |          |   |                       |         |
| Driller License:               |            | 30                                 |     |    | Driller Company:     |                                    | BARRON, EMMETT                |          |   |                       |         |
| Driller Name:                  |            | EMMETT BARRON                      |     |    |                      |                                    |                               |          |   |                       |         |
| Drill Start Date:              |            | 02/23/1958                         |     |    | Drill Finish Date:   |                                    | 02/25/1958                    |          | Plug Date:  |                       |         |
| Log File Date:                 |            | 03/25/1958                         |     |    | PCW Rcv Date:        |                                    |                               |          |   | Source: Shallow       |         |
| Pump Type:                     |            |                                    |     |    | Pipe Discharge Size: |                                    |                               |          |   | Estimated Yield:      |         |
| Casing Size:                   |            |                                    |     |    | Depth Well:          |                                    | 62 feet                       |          | Depth Water:  |                       | 42 feet |
| x                              |            |                                    |     |    |                      |                                    |                               |          |   |                       |         |
| Water Bearing Stratifications: |            |                                    |     |    | Top                  | Bottom                             | Description                   |          |   |                       |         |
|                                |            |                                    |     |    | 42                   | 62                                 | Sandstone/Gravel/Conglomerate |          |   |                       |         |
| x                              |            |                                    |     |    |                      |                                    |                               |          |   |                       |         |

\*UTM location was derived from PLSS - see Help


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New Mexico Office of the State Engineer

Point of Diversion Summary


|                                |              |                                    |     |               |        |                               |     |                        |   |
|--------------------------------|--------------|------------------------------------|-----|---------------|--------|-------------------------------|-----|------------------------|---|
|                                |              | (quarters are 1=NW 2=NE 3=SW 4=SE) |     |               |        | (NAD83 UTM in meters)         |     |                        |   |
| Well Tag                       | POD Number   | Q64                                | Q16 | Q4            | Sec    | Tws                           | Rng | X                      | Y   |
|                                | C 03200 POD1 | 2                                  | 3   | 4             | 34     | 24S                           | 26E | 568206                 | 3559349  |
| x                              |              |                                    |     |               |        |                               |     |                        |   |
| Driller License: 685           |              | Driller Company:                   |     | BRAZEAL, JOHN |        |                               |     |                        |   |
| Driller Name:                  |              | WAYNE BRAZEAL                      |     |               |        |                               |     |                        |   |
| Drill Start Date: 08/12/2005   |              | Drill Finish Date:                 |     | 08/20/2005    |        |                               |     | Plug Date:             |   |
| Log File Date: 08/18/2006      |              | PCW Rcv Date:                      |     |               |        |                               |     | Source: Shallow        |   |
| Pump Type:                     |              | Pipe Discharge Size:               |     |               |        |                               |     | Estimated Yield: 8 GPM |   |
| Casing Size:                   |              | Depth Well:                        |     | 80 feet       |        |                               |     | Depth Water: 52 feet   |   |
| x                              |              |                                    |     |               |        |                               |     |                        |   |
| Water Bearing Stratifications: |              |                                    |     | Top           | Bottom | Description                   |     |                        |   |
|                                |              |                                    |     | 65            | 75     | Sandstone/Gravel/Conglomerate |     |                        |   |
| x                              |              |                                    |     |               |        |                               |     |                        |   |

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# New Mexico Office of the State Engineer

## Point of Diversion Summary

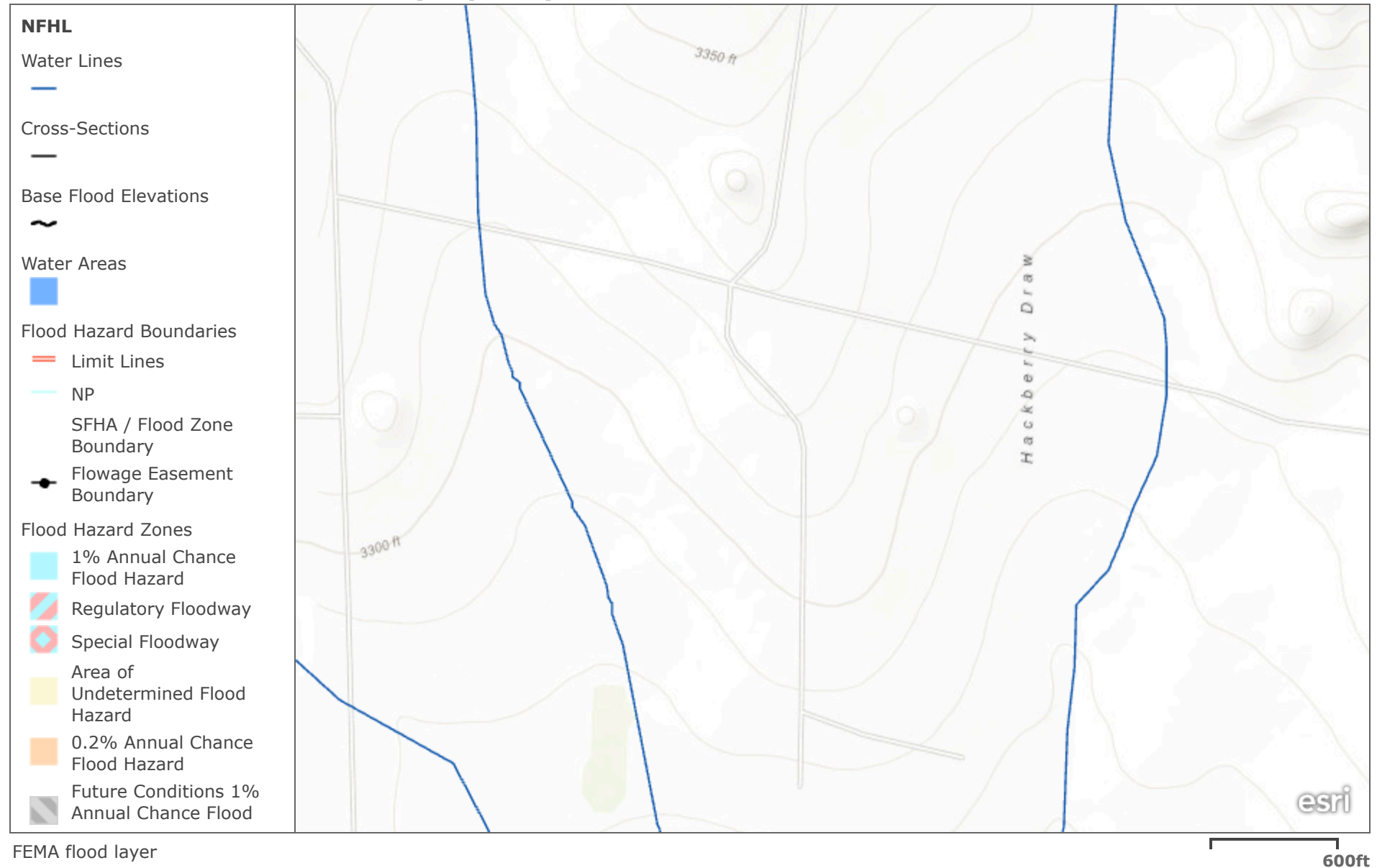
|                                |            |                                    |        |                               |     |                       |   |
|--------------------------------|------------|------------------------------------|--------|-------------------------------|-----|-----------------------|---|
|                                |            | (quarters are 1=NW 2=NE 3=SW 4=SE) |        |                               |     | (NAD83 UTM in meters) |   |
|                                |            | (quarters are smallest to largest) |        |                               |     | X                     | Y   |
| Well Tag                       | POD Number | Q64                                | Q16    | Q4                            | Sec | Tws                   | Rng   |
|                                | C 01089    | 3                                  | 4      | 1                             | 03  | 25S                   | 26E   |
|                                |            |                                    |        |                               |     | 567505                | 3558398*  |
|                                |            |                                    |        |                               |     |                       |  |
| Driller License: 46            |            | Driller Company:                   |        | ABBOTT BROTHERS COMPANY       |     |                       |   |
| Driller Name: ABBOTT, FLOYD    |            |                                    |        |                               |     |                       |   |
| Drill Start Date: 08/06/1962   |            | Drill Finish Date:                 |        | 08/07/1962                    |     | Plug Date:            | 11/01/1962  |
| Log File Date: 08/17/1962      |            | PCW Rcv Date:                      |        |                               |     | Source:               | Shallow   |
| Pump Type:                     |            | Pipe Discharge Size:               |        |                               |     | Estimated Yield:      |   |
| Casing Size: 7.00              |            | Depth Well:                        |        | 96 feet                       |     | Depth Water:          | 45 feet   |
| Water Bearing Stratifications: |            | Top                                | Bottom | Description                   |     |                       |   |
|                                |            | 45                                 | 65     | Sandstone/Gravel/Conglomerate |     |                       |   |
|                                |            | 65                                 | 75     | Sandstone/Gravel/Conglomerate |     |                       |   |
|                                |            | 75                                 | 90     | Sandstone/Gravel/Conglomerate |     |                       |   |
| Casing Perforations:           |            | Top                                | Bottom |                               |     |                       |   |
|                                |            | 45                                 | 90     |                               |     |                       |   |

\*UTM location was derived from PLSS - see Help

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## FEMA National Flood Hazard Layer (NFHL)



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA

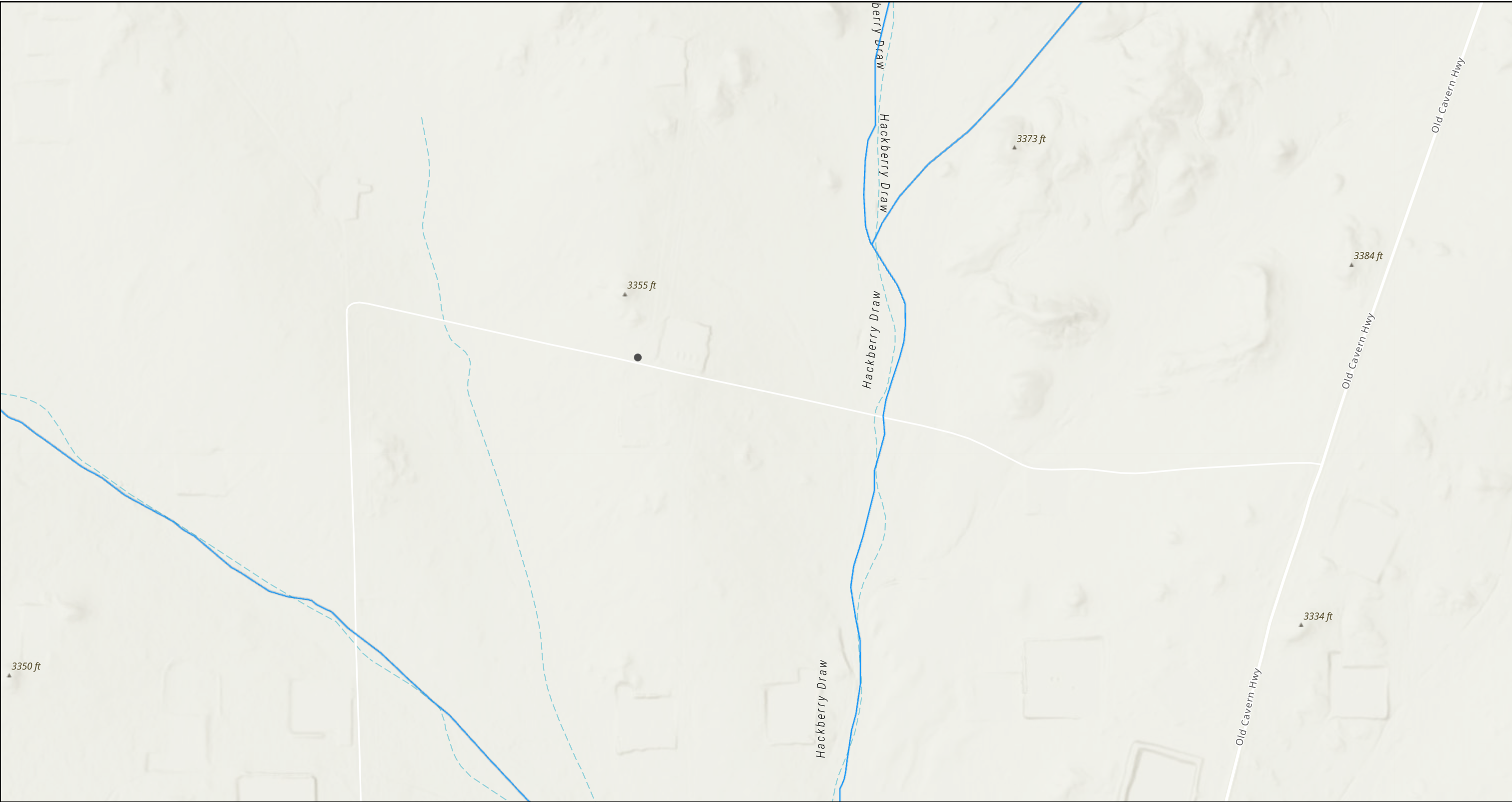
## FEMA National Flood Hazard Layer (NFHL)



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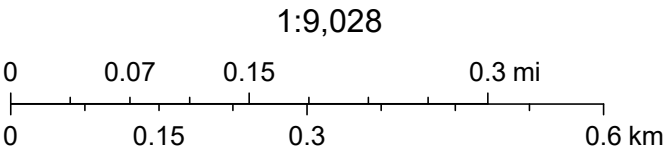


# Marquardt 1 Penn Fed 1 (04.04.2024)



4/18/2024, 1:55:22 PM

OSE Streams



Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, NASA, NGA, USGS, FEMA, NM

## APPENDIX E

CARMONA RESOURCES







PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 30, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MARQUARDT 1 PENN FEDERAL #001 (04.04.24)

Enclosed are the results of analyses for samples received by the laboratory on 05/24/24 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 1 (3.5') (H242923-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 05/29/2024 | ND              | 416 | 104        | 400           | 7.41 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 2 (3.5') (H242923-02)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEx     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 64.0   | 16.0            | 05/29/2024 | ND              | 416 | 104        | 400           | 7.41 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 3 (2.5') (H242923-03)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 368    | 16.0            | 05/29/2024 | ND              | 416 | 104        | 400           | 7.41 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 4 (2.5') (H242923-04)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 384    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 5 (2.5') (H242923-05)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 208    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 6 (2.5') (H242923-06)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 256    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 7 (2.5') (H242923-07)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 176    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 8 (2.5') (H242923-08)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 416    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 9 (2.5') (H242923-09)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 400    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
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 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 10 (1.5') (H242923-10)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 448    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 11 (1.5') (H242923-11)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 12 (1.5') (H242923-12)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 240    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 13 (1.5') (H242923-13)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 14 (1.5') (H242923-14)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 416    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 15 (1.5') (H242923-15)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEx     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 96.0   | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 16 (1.5') (H242923-16)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 112    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 1 (3.5') (H242923-17)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 128    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 2 (3.5') (H242923-18)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 112    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 3 (3.5') (H242923-19)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEx     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 240    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/29/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/29/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/29/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 4 (2.5') (H242923-20)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.08 | 104        | 2.00          | 2.87 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.18 | 109        | 2.00          | 2.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.13 | 107        | 2.00          | 2.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.64 | 111        | 6.00          | 2.61 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 320    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |        |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/29/2024 | ND              | 199 | 99.4       | 200           | 0.103  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/29/2024 | ND              | 195 | 97.5       | 200           | 0.0457 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/29/2024 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 68.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.0 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 5 (2.5') (H242923-21)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.94 | 96.9       | 2.00          | 5.24 |           |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.89 | 94.7       | 2.00          | 4.30 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 1.93 | 96.3       | 2.00          | 3.67 |           |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 5.57 | 92.9       | 6.00          | 3.28 |           |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 416    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: ms |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 207 | 103        | 200           | 1.56 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 191 | 95.5       | 200           | 4.26 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 6 (1.0') (H242923-22)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.94 | 96.9       | 2.00          | 5.24 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.89 | 94.7       | 2.00          | 4.30 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 1.93 | 96.3       | 2.00          | 3.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 5.57 | 92.9       | 6.00          | 3.28 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 176    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: ms |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 207 | 103        | 200           | 1.56 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 191 | 95.5       | 200           | 4.26 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 65.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 7 (1.5') (H242923-23)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.94 | 96.9       | 2.00          | 5.24 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.89 | 94.7       | 2.00          | 4.30 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 1.93 | 96.3       | 2.00          | 3.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 5.57 | 92.9       | 6.00          | 3.28 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 176    | 16.0            | 05/29/2024 | ND              | 448 | 112        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: ms |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 207 | 103        | 200           | 1.56 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 191 | 95.5       | 200           | 4.26 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 8 (1.5') (H242923-24)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.94 | 96.9       | 2.00          | 5.24 |           |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.89 | 94.7       | 2.00          | 4.30 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 1.93 | 96.3       | 2.00          | 3.67 |           |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 5.57 | 92.9       | 6.00          | 3.28 |           |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 80.0   | 16.0            | 05/29/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: ms |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 207 | 103        | 200           | 1.56 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 191 | 95.5       | 200           | 4.26 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 9 (1.5') (H242923-25)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.94 | 96.9       | 2.00          | 5.24 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.89 | 94.7       | 2.00          | 4.30 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 1.93 | 96.3       | 2.00          | 3.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 5.57 | 92.9       | 6.00          | 3.28 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 208    | 16.0            | 05/29/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: ms |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 207 | 103        | 200           | 1.56 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 191 | 95.5       | 200           | 4.26 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 10 (1.5') (H242923-26)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.94 | 96.9       | 2.00          | 5.24 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.89 | 94.7       | 2.00          | 4.30 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 1.93 | 96.3       | 2.00          | 3.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 5.57 | 92.9       | 6.00          | 3.28 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 05/29/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: ms |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 207 | 103        | 200           | 1.56 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 191 | 95.5       | 200           | 4.26 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/24/2024                        | Sampling Date:      | 05/24/2024     |
| Reported:         | 05/30/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 11 (1.5') (H242923-27)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.94 | 96.9       | 2.00          | 5.24 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 1.89 | 94.7       | 2.00          | 4.30 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 1.93 | 96.3       | 2.00          | 3.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 5.57 | 92.9       | 6.00          | 3.28 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 144    | 16.0            | 05/29/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: ms |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/28/2024 | ND              | 207 | 103        | 200           | 1.56 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/28/2024 | ND              | 191 | 95.5       | 200           | 4.26 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/28/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

1242923

Page 1 of 3

|                  |                       |                         |                   |
|------------------|-----------------------|-------------------------|-------------------|
| Project Manager: | Ashion Thielke        | Bill to: (if different) | Carmona Resources |
| Company Name:    | Carmona Resources     | Company Name:           |                   |
| Address:         | 310 W Wall St Ste 500 | Address:                |                   |
| City, State ZIP: | Midland, TX 79701     | City, State ZIP:        |                   |
| Phone:           | 432-813-8988          | Email:                  |                   |

|  |  |
|--|--|
| Work Order Comments  |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Deepfund <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 Name:         | Marquardt 1 Penn Federal #001 (04.04.24)                                | Turn Around   | Pres. Code  | ANALYSIS REQUEST |   |           |   |            |   |   |  |  |  |  |  | Preservative Codes |   |                            |  |
| Project Number:       | 2337  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |   |                  |   |           |   |            |   |   |  |  |  |  |  |                    | None: NO  | DI Water: H <sub>2</sub> O |  |
| Project Location:     | Eddy County, New Mexico   | Due Date:   | 72 hrs  |                  |   |           |   |            |   |   |  |  |  |  |  |                    | Cool: Cool                                      | MeOH: Me                   |  |
| Sample's Name:        | MM  |   |   |                  |   |           |   |            |   |   |  |  |  |  |  |                    | HCL: HC   | HNO <sub>3</sub> : HN      |  |
| PO #:                 |   |   |   |                  |   |           |   |            |   |   |  |  |  |  |  |                    | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na                   |  |
| SAMPLE RECEIPT        |   | Temp Blank:   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice:  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Parameters |   |   |  |  |  |  |  |                    |   |                            |  |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>     |   |   |                  |   |           |   |            |   |   |  |  |  |  |  |                    |   |                            |  |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Correction Factor:  |   |                  |   |           |   |            |   |   |  |  |  |  |  |                    |   |                            |  |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Temperature Reading:  | 2.8°C   |                  |   |           |   |            |   |   |  |  |  |  |  |                    |   |                            |  |
| Total Containers:     |   | Corrected Temperature:  |   |                  |   |           |   |            |   |   |  |  |  |  |  |                    |   |                            |  |
| Sample Identification |   | Date  | Time  | Soil             | Water   | Grab/Comp | # of Cont   |            |   |   |  |  |  |  |  |                    |   | Sample Comments            |  |
| CS-1 (3.5')           | 5/24/2024   |   |   | X                |   | C         | 1   | X          | X | X |  |  |  |  |  |                    |   |                            |  |
| CS-2 (3.5')           | 5/24/2024   |   |   | X                |   | C         | 1   | X          | X | X |  |  |  |  |  |                    |   |                            |  |
| CS-3 (2.5')           | 5/24/2024   |   |   | X                |   | C         | 1   | X          | X | X |  |  |  |  |  |                    |   |                            |  |
| CS-4 (2.5')           | 5/24/2024   |   |   | X                |   | C         | 1   | X          | X | X |  |  |  |  |  |                    |   |                            |  |
| CS-5 (2.5')           | 5/24/2024   |   |   | X                |   | C         | 1   | X          | X | X |  |  |  |  |  |                    |   |                            |  |
| CS-6 (2.5')           | 5/24/2024   |   |   | X                |   | C         | 1   | X          | X | X |  |  |  |  |  |                    |   |                            |  |
| CS-7 (2.5')           | 5/24/2024   |   |   | X                |   | C         | 1   | X          | X | X |  |  |  |  |  |                    |   |                            |  |
| CS-8 (2.5')           | 5/24/2024   |   |   | X                |   | C         | 1   | X          | X | X |  |  |  |  |  |                    |   |                            |  |
| CS-9 (2.5')           | 5/24/2024   |   |   | X                |   | C         | 1   | X          | X | X |  |  |  |  |  |                    |   |                            |  |
| CS-10 (1.5')          | 5/24/2024   |   |   | X                |   | C         | 1   | X          | X | X |  |  |  |  |  |                    |   |                            |  |

Comments:

|                              |  |              |                          |  |           |
|------------------------------|--|--------------|--------------------------|--|-----------|
| Relinquished by: (Signature) |  | Date/Time    | Received by: (Signature) |  | Date/Time |
|                              |  | 5-24-24 1450 |                          |  |           |



## Chain of Custody

**Work Order No:**

H242923

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

| Work Order Comments   |  |
|---|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> rowfields <input checked="" type="checkbox"/> RC <input type="checkbox"/> perfund <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 Name:         |  | Marquardt 1 Penn Federal #001 (04.04.24)                                |  | Turn Around   |  | Pres. Code |  | ANALYSIS REQUEST  |  |  |  |  |  |  |  |          |  | Preservative Codes  |  |                       |  |
| Project Number:       |  | 2337  |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |            |  |   |  |  |  |  |  |  |  | None: NO |  | DI Water: H <sub>2</sub> O  |  |                       |  |
| Project Location      |  | Eddy County, New Mexico   |  | Due Date:   |  | 72 hrs     |  |   |  |  |  |  |  |  |  |          |  | Cool: Cool  |  | MeOH: Me              |  |
| Sampler's Name:       |  | MM  |  |   |  |            |  |   |  |  |  |  |  |  |  |          |  | HCL: HC   |  | HNO <sub>3</sub> : HN |  |
| PO #:                 |  |   |  |   |  |            |  |   |  |  |  |  |  |  |  |          |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  | NaOH: Na              |  |
| SAMPLE RECEIPT        |  | Temp Blank:   |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       |  | Wet Ice:   |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |  |  |  |  |  |  |          |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |                       |  |
| Received Intact:      |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>     |  | Thermometer ID:   |  |            |  | 148   |  |  |  |  |  |  |  |          |  | NaHSO <sub>4</sub> : NABIS  |  |                       |  |
| Cooler Custody Seals: |  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |  | Correction Factor:  |  |            |  |   |  |  |  |  |  |  |  |          |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                       |  |
| Sample Custody Seals: |  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |  | Temperature Reading:  |  |            |  | 21.8°C  |  |  |  |  |  |  |  |          |  | Zn Acetate+NaOH: Zn   |  |                       |  |
| Total Containers:     |  |   |  | Corrected Temperature:  |  |            |  | 11  |  |  |  |  |  |  |  |          |  | NaOH+Ascorbic Acid: SACP  |  |                       |  |
|                       |  |   |  |   |  |            |  |   |  |  |  |  |  |  |  |          |  |   |  |                       |  |
|                       |  |   |  |   |  |            |  |   |  |  |  |  |  |  |  |          |  |   |  |                       |  |
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|                       |  |   |  |   |  |            |  |   |  |  |  |  |  |  |  |          |  |   |  |                       |  |
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|                       |  |   |  |   |  |            |  |   |  |  |  |  |  |  |  |          |  |   |  |                       |  |
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|                       |  |   |  |   |  |            |  |   |  |  |  |  |  |  |  |          |  |   |  |                       |  |
|                       |  |   |  |   |  |            |  |   |  |  |  |  |  |  |  |          |  |   |  |                       |  |
|                       |  |   |  |   |  |            |  |   |  |  |  |  |  |  |  |          |  |   |  |                       |  |
|                       |  |   |  |   |  |            |  |   |  |  |  |  |  |  |  |          |  |   |  |                       |  |
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|                       |  |   |  |   |  |            |  |   |  |  |  |  |  |  |  |          |  |   |  |                       |  |
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|                       |  |   |  |   |  |            |  |   |  |  |  |  |  |  |  |          |  |   |  |                       |  |
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| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 |  |
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Comments:

| Relinquished by: (Signature) | Date/Time    | Received by: (Signature) | Date/Time |
|------------------------------|--------------|--------------------------|-----------|
| <i>[Signature]</i>           | 5-24-24 1450 | <i>[Signature]</i>       |           |
|                              |              |                          |           |
|                              |              |                          |           |
|                              |              |                          |           |
|                              |              |                          |           |



Chain of Custody

Work Order No:

4343923

Page 3 of 3

|                              |  |   |  |   |  |   |  |
|------------------------------|--|---|--|---|--|---|--|
| Project Manager:             |  | Ashton Thielke  |  | Bill to: (if different)   |  | Carmona Resources   |  |
| Company Name:                |  | Carmona Resources   |  | Company Name:   |  |   |  |
| Address:                     |  | 310 W Wall St Ste 500   |  | Address:  |  |   |  |
| City, State ZIP:             |  | Midland, TX 79701   |  | City, State ZIP:  |  |   |  |
| Phone:                       |  | 432-813-8988  |  | Email:  |  |   |  |
| Project Name:                |  | Marquardt 1 Penn Federal #001 (04.04.24)                            |  | Turn Around   |  | Pres. Code  |  |
| Project Number:              |  | 2337  |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |   |  |
| Project Location:            |  | Eddy County, New Mexico   |  | Due Date:   |  | 72 hrs  |  |
| Sampler's Name:              |  | MM  |  |   |  |   |  |
| PO #:                        |  |   |  |   |  |   |  |
| SAMPLE RECEIPT               |  | Temp Blank:   |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       |  | Wet Ice:  |  |
| Received In tact:            |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Thermometer ID:   |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |
| Cooler Custody Seals:        |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Correction Factor:  |  | 146   |  |
| Sample Custody Seals:        |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Temperature Reading:  |  | 2.82  |  |
| Total Containers:            |  | N/A   |  | Corrected Temperature:  |  |   |  |
| Sample Identification        |  | Date  |  | Time  |  | Soil  |  |
| SW-5 (2.5')                  |  | 5/24/2024   |  |   |  | X   |  |
| SW-6 (1.0')                  |  | 5/24/2024   |  |   |  | X   |  |
| SW-7 (1.5')                  |  | 5/24/2024   |  |   |  | X   |  |
| SW-8 (1.5')                  |  | 5/24/2024   |  |   |  | X   |  |
| SW-9 (1.5')                  |  | 5/24/2024   |  |   |  | X   |  |
| SW-10 (1.5')                 |  | 5/24/2024   |  |   |  | X   |  |
| SW-11 (1.5')                 |  | 5/24/2024   |  |   |  | X   |  |
| Water                        |  | Grab/Comp   |  | # of Cont   |  | BTEX 8021B  |  |
|                              |  |   |  |   |  | TPH 8015M ( GRO + DRO + MRO)  |  |
|                              |  |   |  |   |  | Chloride 4500   |  |
| Sample Comments              |  |   |  |   |  |   |  |
| Comments:                    |  |   |  |   |  |   |  |
| Relinquished by: (Signature) |  | Date/Time   |  | Received by: (Signature)  |  | Date/Time   |  |
| Hunt                         |  | 5-24-24 1450  |  | Carmona Resources   |  |   |  |



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 31, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MARQUARDT 1 PENN FEDERAL #001 (04.04.24)

Enclosed are the results of analyses for samples received by the laboratory on 05/28/24 15:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/28/2024                        | Sampling Date:      | 05/28/2024     |
| Reported:         | 05/31/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 17 (2.0') (H242951-01)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.04 | 102        | 2.00          | 4.26 |           |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.11 | 106        | 2.00          | 4.16 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.06 | 103        | 2.00          | 3.95 |           |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.27 | 105        | 6.00          | 4.01 |           |
| Total BTX      | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 144    | 16.0            | 05/30/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 1.66  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 0.987 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/30/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/28/2024                        | Sampling Date:      | 05/28/2024     |
| Reported:         | 05/31/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 18 (2.0') (H242951-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.04 | 102        | 2.00          | 4.26 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.11 | 106        | 2.00          | 4.16 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.06 | 103        | 2.00          | 3.95 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.27 | 105        | 6.00          | 4.01 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 288    | 16.0            | 05/30/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 1.66  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 0.987 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/30/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/28/2024                        | Sampling Date:      | 05/28/2024     |
| Reported:         | 05/31/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 19 (2.0') (H242951-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.04 | 102        | 2.00          | 4.26 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.11 | 106        | 2.00          | 4.16 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.06 | 103        | 2.00          | 3.95 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.27 | 105        | 6.00          | 4.01 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 448    | 16.0            | 05/30/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 1.66  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 0.987 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/30/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/28/2024                        | Sampling Date:      | 05/28/2024     |
| Reported:         | 05/31/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS - 20 (2.0') (H242951-04)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.04 | 102        | 2.00          | 4.26 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.11 | 106        | 2.00          | 4.16 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.06 | 103        | 2.00          | 3.95 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.27 | 105        | 6.00          | 4.01 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 400    | 16.0            | 05/30/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 1.66  |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 0.987 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/30/2024 | ND              |     |            |               |       |           |  |

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/28/2024                        | Sampling Date:      | 05/28/2024     |
| Reported:         | 05/31/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 12 (2.0') (H242951-05)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.04 | 102        | 2.00          | 4.26 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.11 | 106        | 2.00          | 4.16 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.06 | 103        | 2.00          | 3.95 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.27 | 105        | 6.00          | 4.01 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 05/30/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 1.66  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 0.987 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/30/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/28/2024                        | Sampling Date:      | 05/28/2024     |
| Reported:         | 05/31/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 13 (2.0') (H242951-06)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.04 | 102        | 2.00          | 4.26 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.11 | 106        | 2.00          | 4.16 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.06 | 103        | 2.00          | 3.95 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.27 | 105        | 6.00          | 4.01 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 05/30/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 1.66  |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 0.987 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/30/2024 | ND              |     |            |               |       |           |  |

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/28/2024                        | Sampling Date:      | 05/28/2024     |
| Reported:         | 05/31/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 14 (2.0') (H242951-07)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.04 | 102        | 2.00          | 4.26 |           |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.11 | 106        | 2.00          | 4.16 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.06 | 103        | 2.00          | 3.95 |           |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.27 | 105        | 6.00          | 4.01 |           |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 304    | 16.0            | 05/30/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 1.66  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 0.987 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/30/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 05/28/2024                        | Sampling Date:      | 05/28/2024     |
| Reported:         | 05/31/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW - 15 (2.0') (H242951-08)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.04 | 102        | 2.00          | 4.26 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/29/2024 | ND              | 2.11 | 106        | 2.00          | 4.16 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/29/2024 | ND              | 2.06 | 103        | 2.00          | 3.95 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/29/2024 | ND              | 6.27 | 105        | 6.00          | 4.01 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/29/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 144    | 16.0            | 05/30/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 1.66  |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/30/2024 | ND              | 232 | 116        | 200           | 0.987 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/30/2024 | ND              |     |            |               |       |           |  |

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

|     |  |
|-----|--|
| ND  | Analyte NOT DETECTED at or above the reporting limit   |
| RPD | Relative Percent Difference  |
| **  | Samples not received at proper temperature of 6°C or below.  |
| *** | Insufficient time to reach temperature.  |
| -   | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

HA42951

|                  |                       |                         |                  |
|------------------|-----------------------|-------------------------|------------------|
| Project Manager: | Ashon Thielke         | Bill to: (if different) | Camron Resources |
| Company Name:    | Camron Resources      | Company Name:           |                  |
| Address:         | 310 W Wall St Ste 500 | Address:                |                  |
| City, State ZIP: | Midland, TX 79701     | City, State ZIP:        |                  |
| Phone:           | 432-813-8988          | Email:                  |                  |

|  |  |
|--|--|
| Work Order Comments  |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Ironfields <input type="checkbox"/> IRC <input type="checkbox"/> Iperfund <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 Name:         | Margardt 1 Penn Federal #001 (04.04.24) | Turn Around   | Pres. Code             | ANALYSIS REQUEST  |           |           |   |   |   |  |  |  |  |  |  | None: NO  | DI Water: H <sub>2</sub> O  |  |                 |  |
| Project Number:       | 2337                                    | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |                        |   |           |           |   |   |   |  |  |  |  |  |  | Cool: Cool                                      | MeOH: Me  |  |                 |  |
| Project Location:     | Eddy County, New Mexico                 | Due Date:   | 72 hrs                 |   |           |           |   |   |   |  |  |  |  |  |  | HCL: HC   | HNO <sub>3</sub> : HN   |  |                 |  |
| Sampler's Name:       | MM                                      |   |                        |   |           |           |   |   |   |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na  |  |                 |  |
| PO #:                 |   |   |                        |   |           |           |   |   |   |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP             |   |  |                 |  |
| SAMPLE RECEIPT        | Temp Blank:                             | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Well Ice:              | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |           |           |   |   |   |  |  |  |  |  |  |   | NaHSO <sub>4</sub> : NABIS  |  |                 |  |
|                       | Received Intact:                        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Thermometer ID:        | 146   |           |           |   |   |   |  |  |  |  |  |  |   | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                 |  |
|                       | Cooler Custody Seals:                   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Correction Factor:     | 5.6   |           |           |   |   |   |  |  |  |  |  |  |   | Zn Acetate+NaOH: Zn   |  |                 |  |
|                       | Sample Custody Seals:                   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Temperature Reading:   | 5.6   |           |           |   |   |   |  |  |  |  |  |  |   | NaOH+Ascorbic Acid: SAPC  |  |                 |  |
|                       | Total Containers:                       |   | Corrected Temperature: |   |           |           |   |   |   |  |  |  |  |  |  |   |   |  |                 |  |
| Sample Identification | Date                                    | Time  | Soil                   | Water   | Grab/Comp | # of Cont |   |   |   |  |  |  |  |  |  |   |   |  | Sample Comments |  |
| CS-17 (2.0')          | 5/28/2024                               |   | X                      |   | C         | 1         | X | X | X |  |  |  |  |  |  |   |   |  |                 |  |
| CS-18 (2.0')          | 5/28/2024                               |   | X                      |   | C         | 1         | X | X | X |  |  |  |  |  |  |   |   |  |                 |  |
| CS-19 (2.0')          | 5/28/2024                               |   | X                      |   | C         | 1         | X | X | X |  |  |  |  |  |  |   |   |  |                 |  |
| CS-20 (2.0')          | 5/28/2024                               |   | X                      |   | C         | 1         | X | X | X |  |  |  |  |  |  |   |   |  |                 |  |
| SW-12 (2.0')          | 5/28/2024                               |   | X                      |   | C         | 1         | X | X | X |  |  |  |  |  |  |   |   |  |                 |  |
| SW-13 (2.0')          | 5/28/2024                               |   | X                      |   | C         | 1         | X | X | X |  |  |  |  |  |  |   |   |  |                 |  |
| SW-14 (2.0')          | 5/28/2024                               |   | X                      |   | C         | 1         | X | X | X |  |  |  |  |  |  |   |   |  |                 |  |
| SW-15 (2.0')          | 5/28/2024                               |   | X                      |   | C         | 1         | X | X | X |  |  |  |  |  |  |   |   |  |                 |  |

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 04, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MARQUARDT 1 PENN FEDERAL #001 (04.04.24)

Enclosed are the results of analyses for samples received by the laboratory on 05/30/24 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: CS - 21 (2.0') (H243042-01)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 128    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 216 | 108        | 200           | 3.83 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 218 | 109        | 200           | 7.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: CS - 22 (2.0') (H243042-02)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 112    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 216 | 108        | 200           | 3.83 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 218 | 109        | 200           | 7.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: CS - 23 (2.5') (H243042-03)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 96.0   | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 216 | 108        | 200           | 3.83 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 218 | 109        | 200           | 7.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 61.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: CS - 24 (2.5') (H243042-04)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 112    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 216 | 108        | 200           | 3.83 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 218 | 109        | 200           | 7.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: CS - 25 (1.5') (H243042-05)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 224    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 216 | 108        | 200           | 3.83 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 218 | 109        | 200           | 7.33 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: CS - 26 (1.5') (H243042-06)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 464    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 231 | 115        | 200           | 0.929 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 239 | 120        | 200           | 3.15  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: CS - 27 (1.5') (H243042-07)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 231 | 115        | 200           | 0.929 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 239 | 120        | 200           | 3.15  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: CS - 28 (1.5') (H243042-08)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |  |
| Total BTEx     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 128    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 231 | 115        | 200           | 0.929 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 239 | 120        | 200           | 3.15  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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**Analytical Results For:**

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 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: CS - 29 (1.5') (H243042-09)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 231 | 115        | 200           | 0.929 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 239 | 120        | 200           | 3.15  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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**Analytical Results For:**

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 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: CS - 30 (2.0') (H243042-10)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 231 | 115        | 200           | 0.929 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 239 | 120        | 200           | 3.15  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: CS - 31 (2.0') (H243042-11)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/30/2024  
 Reported: 06/04/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/30/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 16 (2.0') (H243042-12)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 224    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: SW - 17 (2.0') (H243042-13)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 224    | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 | QM-07     |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/30/2024  
 Reported: 06/04/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/30/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 18 (0.5') (H243042-14)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 144    | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: SW - 19 (2.5') (H243042-15)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 80.0   | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 72.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/30/2024  
 Reported: 06/04/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/30/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 20 (1.0') (H243042-16)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 336    | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: SW - 21 (1.5') (H243042-17)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.76 | 88.2       | 2.00          | 4.33 |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.89 | 94.4       | 2.00          | 3.19 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.88 | 94.0       | 2.00          | 2.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.84 | 97.3       | 6.00          | 1.97 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 160    | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 69.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/30/2024  
 Reported: 06/04/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/30/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 22 (1.5') (H243042-18)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.75 | 87.7       | 2.00          | 1.51  |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.73 | 86.6       | 2.00          | 0.401 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.66 | 83.2       | 2.00          | 0.103 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.15 | 85.8       | 6.00          | 0.261 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 528    | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: SW - 23 (1.5') (H243042-19)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.75 | 87.7       | 2.00          | 1.51  |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.73 | 86.6       | 2.00          | 0.401 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.66 | 83.2       | 2.00          | 0.103 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.15 | 85.8       | 6.00          | 0.261 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 128    | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: SW - 24 (1.5') (H243042-20)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.75 | 87.7       | 2.00          | 1.51  |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.73 | 86.6       | 2.00          | 0.401 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.66 | 83.2       | 2.00          | 0.103 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.15 | 85.8       | 6.00          | 0.261 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 192    | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 72.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/30/2024  
 Reported: 06/04/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/30/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 25 (1.5') (H243042-21)**

| BTEX 8021B     |        |                 | mg/kg      |              | Analyzed By: JH |            |               |       |           |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND           | 1.75            | 87.7       | 2.00          | 1.51  |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND           | 1.73            | 86.6       | 2.00          | 0.401 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND           | 1.66            | 83.2       | 2.00          | 0.103 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND           | 5.15            | 85.8       | 6.00          | 0.261 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND           |                 |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2680   | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/30/2024  
 Reported: 06/04/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/30/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 26 (1.5') (H243042-22)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.75 | 87.7       | 2.00          | 1.51  |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.73 | 86.6       | 2.00          | 0.401 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.66 | 83.2       | 2.00          | 0.103 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.15 | 85.8       | 6.00          | 0.261 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/30/2024  
 Reported: 06/04/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/30/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 27 (1.5') (H243042-23)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.75 | 87.7       | 2.00          | 1.51  |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.73 | 86.6       | 2.00          | 0.401 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.66 | 83.2       | 2.00          | 0.103 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.15 | 85.8       | 6.00          | 0.261 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 05/30/2024                        | Sampling Date:      | 05/30/2024    |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: SW - 28 (2.0') (H243042-24)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.75 | 87.7       | 2.00          | 1.51  |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.73 | 86.6       | 2.00          | 0.401 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.66 | 83.2       | 2.00          | 0.103 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.15 | 85.8       | 6.00          | 0.261 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 112    | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/30/2024  
 Reported: 06/04/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/30/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 29 (2.0') (H243042-25)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.75 | 87.7       | 2.00          | 1.51  |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.73 | 86.6       | 2.00          | 0.401 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.66 | 83.2       | 2.00          | 0.103 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.15 | 85.8       | 6.00          | 0.261 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/30/2024  
 Reported: 06/04/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/30/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 30 (2.0') (H243042-26)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.75 | 87.7       | 2.00          | 1.51  |           |
| Toluene*       | <0.050 | 0.050           | 06/03/2024 | ND              | 1.73 | 86.6       | 2.00          | 0.401 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/03/2024 | ND              | 1.66 | 83.2       | 2.00          | 0.103 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/03/2024 | ND              | 5.15 | 85.8       | 6.00          | 0.261 |           |
| Total BTEX     | <0.300 | 0.300           | 06/03/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 06/04/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 202 | 101        | 200           | 2.43 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 197 | 98.6       | 200           | 5.47 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Notes and Definitions

- QM-07      The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3      Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND      Analyte NOT DETECTED at or above the reporting limit
- RPD      Relative Percent Difference
- \*\*      Samples not received at proper temperature of 6°C or below.
- \*\*\*      Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H243242

Page 1 of 3

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

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

|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|-----------------------|--|--|--|---|--|----------------------|--|--|--|-----------|--|-----------|--|---|--|---|---|----------------------------|--|
| Project Name:         |  | Marquardt 1 Penn Federal #001 (04.04.24)   |  | Turn Around   |  | ANALYSIS REQUEST     |  |  |  |           |  |           |  |   |  |   |   | Preservative Codes         |  |
| Project Number:       |  | 2337                                       |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  | Pres. Code           |  |  |  |           |  |           |  |   |  |   | None: NO  | DI Water: H <sub>2</sub> O |  |
| Project Location      |  | Eddy County, New Mexico                    |  | Due Date:   |  | 72 hrs               |  |  |  |           |  |           |  |   |  |   | Cool: Cool                                      | MeOH: Me                   |  |
| Sampler's Name:       |  | MM   |  |   |  |                      |  |  |  |           |  |           |  |   |  |   | HCL: HC   | HNO <sub>3</sub> : HN      |  |
| PO #:                 |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na                   |  |
| SAMPLE RECEIPT        |  | Temp Blank:                                |  | Yes <input checked="" type="checkbox"/> No                                |  | Wet Ice:             |  | Yes <input checked="" type="checkbox"/> No |  |           |  |           |  |   |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |   |                            |  |
| Received Intact:      |  | Yes <input checked="" type="checkbox"/> No |  | Thermometer ID:   |  | #146                 |  |  |  |           |  |           |  |   |  | NaHSO <sub>4</sub> : NABIS  |   |                            |  |
| Cooler Custody Seals: |  | Yes <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> No |  | N/A   |  | Temperature Reading: |  | 4.0  |  |           |  |           |  |   |  | Zn Acetate+NaOH: Zn   |   |                            |  |
| Total Containers:     |  |  |  | Corrected Temperature:  |  |                      |  |  |  |           |  |           |  |   |  | NaOH+Ascorbic Acid: SAPC  |   |                            |  |
| Sample Identification |  | Date                                       |  | Time  |  | Soil                 |  | Water                                      |  | Grab/Comp |  | # of Cont |  |   |  | Sample Comments   |   |                            |  |
| CS-21 (2.0')          |  | 5/30/2024                                  |  |   |  | X                    |  |  |  | C         |  | 1         |  | X |  | X   |   | CS-21 to CS-30             |  |
| CS-22 (2.0')          |  | 5/30/2024                                  |  |   |  | X                    |  |  |  | C         |  | 1         |  | X |  | X   |   |                            |  |
| CS-23 (2.5')          |  | 5/30/2024                                  |  |   |  | X                    |  |  |  | C         |  | 1         |  | X |  | X   |   |                            |  |
| CS-24 (2.5')          |  | 5/30/2024                                  |  |   |  | X                    |  |  |  | C         |  | 1         |  | X |  | X   |   |                            |  |
| CS-25 (1.5')          |  | 5/30/2024                                  |  |   |  | X                    |  |  |  | C         |  | 1         |  | X |  | X   |   |                            |  |
| CS-26 (1.5')          |  | 5/30/2024                                  |  |   |  | X                    |  |  |  | C         |  | 1         |  | X |  | X   |   |                            |  |
| CS-27 (1.5')          |  | 5/30/2024                                  |  |   |  | X                    |  |  |  | C         |  | 1         |  | X |  | X   |   |                            |  |
| CS-28 (1.5')          |  | 5/30/2024                                  |  |   |  | X                    |  |  |  | C         |  | 1         |  | X |  | X   |   |                            |  |
| CS-29 (1.5')          |  | 5/30/2024                                  |  |   |  | X                    |  |  |  | C         |  | 1         |  | X |  | X   |   |                            |  |
| CS-30 (2.0')          |  | 5/30/2024                                  |  |   |  | X                    |  |  |  | C         |  | 1         |  | X |  | X   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
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|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
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|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |
|                       |  |  |  |   |  |                      |  |  |  |           |  |           |  |   |  |   |   |                            |  |

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Chain of Custody

Work Order No: H243842

Page 2 of 3

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

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

|                       |   |   |            |   |  |  |  |  |  |  |  |  |  |  |  |                    |   |                            |
|-----------------------|---|---|------------|---|--|--|--|--|--|--|--|--|--|--|--|--------------------|---|----------------------------|
| Project Name:         | Marquardt 1 Penn Federal #001 (04,04,24)                                | Turn Around   | Pres. Code | ANALYSIS REQUEST  |  |  |  |  |  |  |  |  |  |  |  | Preservative Codes |   |                            |
| Project Number:       | 2337  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |            |   |  |  |  |  |  |  |  |  |  |  |  |                    | None: NO  | DI Water: H <sub>2</sub> O |
| Project Location:     | Eddy County, New Mexico   | Due Date:   | 72 hrs     |   |  |  |  |  |  |  |  |  |  |  |  |                    | Cool: Cool  | MeOH: Me                   |
| Sampler's Name:       | MM  |   |            |   |  |  |  |  |  |  |  |  |  |  |  |                    | HCL: HC   | HNO <sub>3</sub> : HN      |
| PO #:                 |   |   |            |   |  |  |  |  |  |  |  |  |  |  |  |                    | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| SAMPLE RECEIPT        | Temp Blank:   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Wet Ice:   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |  |  |  |  |  |  |  |  |  |  |                    | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>     | Thermometer ID:   |            |   |  |  |  |  |  |  |  |  |  |  |  |                    | NaHSO <sub>4</sub> : NABIS  |                            |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Correction Factor:  |            |   |  |  |  |  |  |  |  |  |  |  |  |                    | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Temperature Reading:  | 4.0        |   |  |  |  |  |  |  |  |  |  |  |  |                    | Zn Acetate+NaOH: Zn   |                            |
| Total Containers:     |   | Corrected Temperature:  |            |   |  |  |  |  |  |  |  |  |  |  |  |                    | NaOH+Ascorbic Acid: SAPC  |                            |

| Sample Identification | Date      | Time | Soil | Water | Grab/Comp | # of Cont | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 |  |  |  |  |  |  |  |  |  | Sample Comments |
|-----------------------|-----------|------|------|-------|-----------|-----------|------------|------------------------------|---------------|--|--|--|--|--|--|--|--|--|-----------------|
| CS-31 (2.0')          | 5/30/2024 |      | X    |       | C         | 1         | X          | X                            | X             |  |  |  |  |  |  |  |  |  | 11              |
| SW-16 (2.0')          | 5/30/2024 |      | X    |       | C         | 1         | X          | X                            | X             |  |  |  |  |  |  |  |  |  | 12              |
| SW-17 (2.0')          | 5/30/2024 |      | X    |       | C         | 1         | X          | X                            | X             |  |  |  |  |  |  |  |  |  | 13              |
| SW-18 (0.5')          | 5/30/2024 |      | X    |       | C         | 1         | X          | X                            | X             |  |  |  |  |  |  |  |  |  | 14              |
| SW-19 (2.5')          | 5/30/2024 |      | X    |       | C         | 1         | X          | X                            | X             |  |  |  |  |  |  |  |  |  | 15              |
| SW-20 (1.0')          | 5/30/2024 |      | X    |       | C         | 1         | X          | X                            | X             |  |  |  |  |  |  |  |  |  | 16              |
| SW-21 (1.5')          | 5/30/2024 |      | X    |       | C         | 1         | X          | X                            | X             |  |  |  |  |  |  |  |  |  | 17              |
| SW-22 (1.5')          | 5/30/2024 |      | X    |       | C         | 1         | X          | X                            | X             |  |  |  |  |  |  |  |  |  | 18              |
| SW-23 (1.5')          | 5/30/2024 |      | X    |       | C         | 1         | X          | X                            | X             |  |  |  |  |  |  |  |  |  | 19              |
| SW-24 (1.5')          | 5/30/2024 |      | X    |       | C         | 1         | X          | X                            | X             |  |  |  |  |  |  |  |  |  | 20              |

Comments:

|                              |           |                          |               |
|------------------------------|-----------|--------------------------|---------------|
| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time     |
| <i>[Signature]</i>           |           | <i>[Signature]</i>       | 5/30/24 11:08 |



Chain of Custody

Work Order No: H243042

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

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

| Project Name:         |  | Marquardt 1 Penn Federal #001 (04.04.24) |  | Turn Around                                |          | Pres. Code                                 | ANALYSIS REQUEST |   |                              |   |  |  |    |  |  |  |   |                       | Preservative Codes |                            |  |
|-----------------------|--|--|--|--|----------|--|------------------|---|------------------------------|---|--|--|----|--|--|--|---|-----------------------|--------------------|----------------------------|--|
| Project Number:       | 2337                                       | <input type="checkbox"/> Routine         | <input checked="" type="checkbox"/> Rush |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       | None: NO           | DI Water: H <sub>2</sub> O |  |
| Project Location      | Eddy County, New Mexico                    |  | Due Date:                                | 72 hrs                                     |          |  |                  |   |                              |   |  |  |    |  |  |  |   | Cool: Cool            | MeOH: Me           |                            |  |
| Sampler's Name:       | MM   |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  | HCL: HC   | HNO <sub>3</sub> : HN |                    |                            |  |
| PO #:                 |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na              |                    |                            |  |
| SAMPLE RECEIPT        |  |  | Temp Blank:                              | Yes <input checked="" type="checkbox"/> No | Wet Ice: | Yes <input checked="" type="checkbox"/> No | Parameters       |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No | Thermometer ID:                          | 140                                      |  |          |  |                  |   | BTEX 8021B                   |   |  |  |    |  |  |  |   |                       |                    |                            |  |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No | Correction Factor:                       |  |  |          |  |                  |   | TPH 8015M ( GRO + DRO + MRO) |   |  |  |    |  |  |  |   |                       |                    |                            |  |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No | Temperature Reading:                     | 4.0                                      |  |          |  |                  |   | Chloride 4500                |   |  |  |    |  |  |  |   |                       |                    |                            |  |
| Total Containers:     |  |  | Corrected Temperature:                   |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
| Sample Identification |  | Date                                     | Time                                     | Soil                                       | Water    | Grab/Comp                                  | # of Cont        |   |                              |   |  |  |    |  |  |  |   |                       |                    | Sample Comments            |  |
| SW-25 (1.5')          |  | 5/30/2024                                |  | X  |          | C  | 1                | X | X                            | X |  |  |    |  |  |  |   | 24                    |                    |                            |  |
| SW-26 (1.5')          |  | 5/30/2024                                |  | X  |          | C  | 1                | X | X                            | X |  |  |    |  |  |  |   | 23                    |                    |                            |  |
| SW-27 (1.5')          |  | 5/30/2024                                |  | X  |          | C  | 1                | X | X                            | X |  |  |    |  |  |  |   | 24                    |                    |                            |  |
| SW-28 (2.0')          |  | 5/30/2024                                |  | X  |          | C  | 1                | X | X                            | X |  |  |    |  |  |  |   | 25                    |                    |                            |  |
| SW-29 (2.0')          |  | 5/30/2024                                |  | X  |          | C  | 1                | X | X                            | X |  |  |    |  |  |  |   | 25                    |                    |                            |  |
| SW-30 (2.0')          |  | 5/30/2024                                |  | X  |          | C  | 1                | X | X                            | X |  |  |    |  |  |  |   | 26                    |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  |    |  |  |  |   |                       |                    |                            |  |
|                       |  |  |  |  |          |  |                  |   |                              |   |  |  | </ |  |  |  |   |                       |                    |                            |  |

Comments:

|                              |  |           |                          |  |               |
|------------------------------|--|-----------|--------------------------|--|---------------|
| Relinquished by: (Signature) |  | Date/Time | Received by: (Signature) |  | Date/Time     |
|                              |  |           |                          |  | 5/30/24 10:20 |



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 05, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MARQUARDT 1 PENN FEDERAL #001 (04.04.24)

Enclosed are the results of analyses for samples received by the laboratory on 06/03/24 15:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS-32 (2.0') (H243117-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 16.0   | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS-33 (2.0') (H243117-02)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 87.1 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 160    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS-34 (2.0') (H243117-03)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 192    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS-35 (2.0') (H243117-04)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 176    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS-36 (2.5') (H243117-05)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 304    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS-37 (2.5') (H243117-06)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 368    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS-38 (2.5') (H243117-07)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES  
ASHTON THIELKE  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received:06/03/2024

Reported:06/05/2024

Project Name:MARQUARDT 1 PENN FEDERAL #001 (04

Project Number:2337

Project Location:EDDY COUNTY, NEW MEXICO

Sampling Date:05/31/2024

Sampling Type:Soil

Sampling Condition:Cool & Intact

Sample Received By:Tamara Oldaker

Sample ID: CS-39 (2.5') (H243117-08)

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 88.3 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 304    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |  |

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS-40 (2.5') (H243117-09)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW-31 (2.0') (H243117-10)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 87.7 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 304    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW-32 (2.5') (H243117-11)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 240    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW-33 (2.5') (H243117-12)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 304    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW-34 (2.5') (H243117-13)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

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 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW-35 (2.5') (H243117-14)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW-36 (2.5') (H243117-15)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 176    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW-37 (2.5') (H243117-16)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 2.60 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.98 | 99.2       | 2.00          | 3.67 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 2.02 | 101        | 2.00          | 4.72 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.85 | 97.5       | 6.00          | 4.92 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 80.0   | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW-38 (0.5') (H243117-17)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.81 | 90.7       | 2.00          | 6.28 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.85 | 92.7       | 2.00          | 2.47 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 1.92 | 95.9       | 2.00          | 2.94 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.72 | 95.3       | 6.00          | 3.04 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 05/31/2024     |
| Reported:         | 06/05/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW-39 (2.5') (H243117-18)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.81 | 90.7       | 2.00          | 6.28 |           |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.85 | 92.7       | 2.00          | 2.47 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 1.92 | 95.9       | 2.00          | 2.94 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.72 | 95.3       | 6.00          | 3.04 |           |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/04/2024 | ND              | 197 | 98.6       | 200           | 4.41  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/04/2024 | ND              | 184 | 92.1       | 200           | 0.634 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/04/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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Notes and Definitions

- QR-03      The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- ND      Analyte NOT DETECTED at or above the reporting limit
- RPD      Relative Percent Difference
- \*\*      Samples not received at proper temperature of 6°C or below.
- \*\*\*      Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

## Chain of Custody

Work Order No:

11243117

Page 21 of 22

|                  |                       |                         |                   |
|------------------|-----------------------|-------------------------|-------------------|
| Project Manager: | Ashton Thielke        | Bill to: (if different) | Camrona Resources |
| Company Name:    | Camrona Resources     | Company Name:           |                   |
| Address:         | 310 W Wall St Ste 500 | Address:                |                   |
| City, State ZIP: | Midland, TX 79701     | City, State ZIP:        |                   |
| Phone:           | 432-813-8988          | Email:                  |                   |

|                     |           |
|---------------------|-----------|
| Page 1 of 2         |           |
| Work Order Comments |           |
| Program: UST/PST    | PRP       |
| State of Project:   | RC        |
| Reporting Level II  | Level III |
| Deliverables: EDD   | ADAPT     |
| Other:              |           |

|                              |  |                                  |  |                  |           |           |   |   |   |   |   |   |   |   |   |                    |   |   |  |
|------------------------------|--|----------------------------------|--|------------------|-----------|-----------|---|---|---|---|---|---|---|---|---|--------------------|---|---|--|
| Project Name:                | Marquardt 1 Penn Federal #001 (04.04.24) | Turn Around                      | Pres. Code                               | ANALYSIS REQUEST |           |           |   |   |   |   |   |   |   |   |   | Preservative Codes |   |   |  |
| Project Number:              | 2337                                     | <input type="checkbox"/> Routine | <input checked="" type="checkbox"/> Rush |                  |           |           |   |   |   |   |   |   |   |   |   |                    | None: NO  | DI Water: H <sub>2</sub> O  |  |
| Project Location:            | Eddy County, New Mexico                  | Due Date:                        | 72 hrs                                   |                  |           |           |   |   |   |   |   |   |   |   |   |                    | Cool: Cool                                      | MeOH: Me  |  |
| Sampler's Name:              | GP                                       |                                  |  |                  |           |           |   |   |   |   |   |   |   |   |   |                    | HCL: HC   | HNO <sub>3</sub> : HN   |  |
| PO #:                        |  |                                  |  |                  |           |           |   |   |   |   |   |   |   |   |   |                    | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na  |  |
| <b>SAMPLE RECEIPT</b>        |  |                                  |  |                  |           |           |   |   |   |   |   |   |   |   |   |                    | H <sub>3</sub> PO <sub>4</sub> : HP             |   |  |
| Received Inact:              | Temp Blank:                              | Yes                              | No                                       | Yes              | No        |           |   |   |   |   |   |   |   |   |   |                    |   | NaHSO <sub>4</sub> : NABIS  |  |
| Cooler Custody Seals:        | Thermometer ID:                          | Yes                              | No                                       | Yes              | No        |           |   |   |   |   |   |   |   |   |   |                    |   | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |
| Sample Custody Seals:        | Correction Factor:                       | Yes                              | No                                       | Yes              | No        |           |   |   |   |   |   |   |   |   |   |                    |   | Zn Acetate+NaOH: Zn   |  |
| Total Containers:            | Temperature Reading:                     | Yes                              | No                                       | Yes              | No        |           |   |   |   |   |   |   |   |   |   |                    |   | NaOH+Ascorbic Acid: SAPC  |  |
|                              | Corrected Temperature:                   |                                  |  |                  |           |           |   |   |   |   |   |   |   |   |   |                    |   |   |  |
| <b>Sample Identification</b> |  |                                  |  |                  |           |           |   |   |   |   |   |   |   |   |   |                    | <b>Sample Comments</b>                          |   |  |
| CS-32 (2.0')                 | Date                                     | Time                             | Soil                                     | Water            | Grab/Comp | # of Cont |   |   |   |   |   |   |   |   |   |                    |   |   |  |
| CS-33 (2.0')                 | 6/3/2024                                 | 5:31/24                          | X  |                  | C         | 1         | X | X | X | X | X | X | X | X | X | X                  |   |   |  |
| CS-34 (2.0')                 | 6/3/2024                                 | "                                | X  |                  | C         | 1         | X | X | X | X | X | X | X | X | X | X                  |   |   |  |
| CS-35 (2.0')                 | 6/3/2024                                 | "                                | X  |                  | C         | 1         | X | X | X | X | X | X | X | X | X | X                  |   |   |  |
| CS-36 (2.5')                 | 6/3/2024                                 | "                                | X  |                  | C         | 1         | X | X | X | X | X | X | X | X | X | X                  |   |   |  |
| CS-37 (2.5')                 | 6/3/2024                                 | "                                | X  |                  | C         | 1         | X | X | X | X | X | X | X | X | X | X                  |   |   |  |
| CS-38 (2.5')                 | 6/3/2024                                 | "                                | X  |                  | C         | 1         | X | X | X | X | X | X | X | X | X | X                  |   |   |  |
| CS-39 (2.5')                 | 6/3/2024                                 | "                                | X  |                  | C         | 1         | X | X | X | X | X | X | X | X | X | X                  |   |   |  |
| CS-40 (2.5')                 | 6/3/2024                                 | "                                | X  |                  | C         | 1         | X | X | X | X | X | X | X | X | X | X                  |   |   |  |
| SW-31 (2.0')                 | 6/3/2024                                 | "                                | X  |                  | C         | 1         | X | X | X | X | X | X | X | X | X | X                  |   |   |  |

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time



Chain of Custody

Work Order No:

HA4315

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

|                       |  |
|-----------------------|--|
| Project Name:         | Marquardt 1 Penn Federal #001 (04.04.24)   |
| Project Number:       | 2337   |
| Project Location:     | Eddy County, New Mexico  |
| Sampler's Name:       | GP   |
| PO #:                 |  |
| <b>SAMPLE RECEIPT</b> |  |
| Received Inact:       | Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>  |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> |
| Total Containers:     |  |

| Sample Identification | Date     | Time    | Soil | Water | Grab/Comp | # of Cont | ANALYSIS REQUEST |            |                              |               |  |  |  |  |  |  | Preservative Codes  |
|-----------------------|----------|---------|------|-------|-----------|-----------|------------------|------------|------------------------------|---------------|--|--|--|--|--|--|---|
|                       |          |         |      |       |           |           | Pres. Code       | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 4500 |  |  |  |  |  |  |   |
| SW-32 (2.5')          | 6/3/2024 | 5:51/24 | X    |       | C         | 1         |                  | X          | X                            | X             |  |  |  |  |  |  | None: NO<br>Cool: Cool<br>HCL: HC<br>H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub><br>H <sub>3</sub> PO <sub>4</sub> : HP<br>NaHSO <sub>4</sub> : NABIS<br>Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub><br>Zn Acetate+NaOH: Zn<br>NaOH+Ascorbic Acid: SAPC |
| SW-33 (2.5')          | 6/3/2024 | "       | X    |       | C         | 1         |                  | X          | X                            | X             |  |  |  |  |  |  |   |
| SW-34 (2.5')          | 6/3/2024 | "       | X    |       | C         | 1         |                  | X          | X                            | X             |  |  |  |  |  |  |   |
| SW-35 (2.5')          | 6/3/2024 | "       | X    |       | C         | 1         |                  | X          | X                            | X             |  |  |  |  |  |  |   |
| SW-36 (2.5')          | 6/3/2024 | "       | X    |       | C         | 1         |                  | X          | X                            | X             |  |  |  |  |  |  |   |
| SW-37 (2.5')          | 6/3/2024 | "       | X    |       | C         | 1         |                  | X          | X                            | X             |  |  |  |  |  |  |   |
| SW-38 (0.5')          | 6/3/2024 | "       | X    |       | C         | 1         |                  | X          | X                            | X             |  |  |  |  |  |  |   |
| SW-39 (2.5')          | 6/3/2024 | "       | X    |       | C         | 1         |                  | X          | X                            | X             |  |  |  |  |  |  |   |

Comments:

|                              |           |                          |           |
|------------------------------|-----------|--------------------------|-----------|
| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|                              |           |                          | 0321 1548 |



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

June 04, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MARQUARDT 1 PENN FEDERAL #001 (04.04.24)

Enclosed are the results of analyses for samples received by the laboratory on 06/03/24 15:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 06/03/2024     |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS-41 (1.5') (H243118-01)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.87 | 93.4       | 2.00          | 3.26 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.84 | 92.0       | 2.00          | 2.71 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 1.86 | 93.1       | 2.00          | 2.36 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.40 | 90.1       | 6.00          | 2.10 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 80.0   | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 200 | 100        | 200           | 2.51 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 198 | 99.1       | 200           | 1.75 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 06/03/2024     |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS-42 (1.5') (H243118-02)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.87 | 93.4       | 2.00          | 3.26 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.84 | 92.0       | 2.00          | 2.71 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 1.86 | 93.1       | 2.00          | 2.36 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.40 | 90.1       | 6.00          | 2.10 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 84.8 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 64.0   | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 200 | 100        | 200           | 2.51 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 198 | 99.1       | 200           | 1.75 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 06/03/2024     |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: CS-43 (1.5') (H243118-03)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.87 | 93.4       | 2.00          | 3.26 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.84 | 92.0       | 2.00          | 2.71 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 1.86 | 93.1       | 2.00          | 2.36 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.40 | 90.1       | 6.00          | 2.10 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 112    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 200 | 100        | 200           | 2.51 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 198 | 99.1       | 200           | 1.75 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                |
|-------------------|-----------------------------------|---------------------|----------------|
| Received:         | 06/03/2024                        | Sampling Date:      | 06/03/2024     |
| Reported:         | 06/04/2024                        | Sampling Type:      | Soil           |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 2337                              | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                |

**Sample ID: SW-40 (1.5') (H243118-04)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.87 | 93.4       | 2.00          | 3.26 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/04/2024 | ND              | 1.84 | 92.0       | 2.00          | 2.71 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/04/2024 | ND              | 1.86 | 93.1       | 2.00          | 2.36 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/04/2024 | ND              | 5.40 | 90.1       | 6.00          | 2.10 |           |  |
| Total BTEx     | <0.300 | 0.300           | 06/04/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 83.5 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 144    | 16.0            | 06/04/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/03/2024 | ND              | 200 | 100        | 200           | 2.51 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/03/2024 | ND              | 198 | 99.1       | 200           | 1.75 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/03/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

11343118

Page 1 of 1

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

|   |  |
|---|--|
| Work Order Comments   |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> Perfund <input type="checkbox"/>                |  |
| State of Project:   |  |
| Reporting Level: 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 Name:         |   | Marguartht 1 Penn Federal #001 (04.04.24) |   | Turn Around |   | Pres. Code | ANALYSIS REQUEST |           |   |   |   |  |  |  |  |  |   |          |                       |            |                            |  | Preservative Codes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
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| Project Number:       | 2337  | <input type="checkbox"/> Routine          | <input checked="" type="checkbox"/> Rush                            |             |   |            |                  |           |   |   |   |  |  |  |  |  |   |          |                       | None: NO   | DI Water: H <sub>2</sub> O |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Project Location      | Eddy County, New Mexico   | Due Date:                                 | 24 hrs  |             |   |            |                  |           |   |   |   |  |  |  |  |  |   |          |                       | Cool: Cool | MeOH: Me                   |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Sampler's Name:       | GP/MM   |   |   |             |   |            |                  |           |   |   |   |  |  |  |  |  |   | HCL: HC  | HNO <sub>3</sub> : HN |            |                            |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| PO #:                 |   |   |   |             |   |            |                  |           |   |   |   |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na |                       |            |                            |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| SAMPLE RECEIPT        |   | Temp Blank:                               | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |            |                  |           |   |   |   |  |  |  |  |  |   |          |                       |            |                            |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:                           |   |             |   |            |                  |           |   |   |   |  |  |  |  |  |   |          |                       |            |                            |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor:                        |   |             |   |            |                  |           |   |   |   |  |  |  |  |  |   |          |                       |            |                            |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Sample Custody Seals: | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Temperature Reading:                      |   |             |   |            |                  |           |   |   |   |  |  |  |  |  |   |          |                       |            |                            |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Total Containers:     |   | Corrected Temperature:                    |   |             |   |            |                  |           |   |   |   |  |  |  |  |  |   |          |                       |            |                            |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Sample Identification |   |   | Date  | Time        | Soil  | Water      | Grab/Comp        | # of Cont |   |   |   |  |  |  |  |  |   |          |                       |            |                            |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| CS-41 (1.5')          |   |   | 6/3/2024  |             | X   |            | C                | 1         | X | X | X |  |  |  |  |  |   |          |                       |            |                            |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 06, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MARQUARDT 1 PENN FEDERAL #001 (04.04.24)

Enclosed are the results of analyses for samples received by the laboratory on 06/04/24 15:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 44 ( 2.0' ) (H243158-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 64.0   | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                  |
|-------------------|-----------------------------------|---------------------|------------------|
| Received:         | 06/04/2024                        | Sampling Date:      | 06/04/2024       |
| Reported:         | 06/06/2024                        | Sampling Type:      | Soil             |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact    |
| Project Number:   | 2337                              | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                  |

**Sample ID: CS - 45 ( 2.0' ) (H243158-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |  |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 88.5 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 368    | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 46 ( 0.5' ) (H243158-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 464    | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 47 ( 0.5' ) (H243158-04)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 88.8 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 384    | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 48 ( 0.5' ) (H243158-05)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 49 ( 0.5' ) (H243158-06)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                  |
|-------------------|-----------------------------------|---------------------|------------------|
| Received:         | 06/04/2024                        | Sampling Date:      | 06/04/2024       |
| Reported:         | 06/06/2024                        | Sampling Type:      | Soil             |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact    |
| Project Number:   | 2337                              | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                  |

**Sample ID: CS - 50 ( 0.5' ) (H243158-07)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |  |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 192    | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 51 ( 0.5' ) (H243158-08)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 64.0   | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 52 ( 0.5' ) (H243158-09)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 53 ( 0.5' ) (H243158-10)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 88.6 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                  |
|-------------------|-----------------------------------|---------------------|------------------|
| Received:         | 06/04/2024                        | Sampling Date:      | 06/04/2024       |
| Reported:         | 06/06/2024                        | Sampling Type:      | Soil             |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact    |
| Project Number:   | 2337                              | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                  |

**Sample ID: CS - 54 ( 0.5' ) (H243158-11)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |  |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 80.0   | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/06/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/06/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/06/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 55 ( 0.5' ) (H243158-12)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 64.0   | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 61.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 56 ( 0.5' ) (H243158-13)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 464    | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/06/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/06/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/06/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 57 ( 0.5' ) (H243158-14)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 480    | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/06/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/06/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/06/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                  |
|-------------------|-----------------------------------|---------------------|------------------|
| Received:         | 06/04/2024                        | Sampling Date:      | 06/04/2024       |
| Reported:         | 06/06/2024                        | Sampling Type:      | Soil             |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact    |
| Project Number:   | 2337                              | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                  |

**Sample ID: CS - 58 ( 0.5' ) (H243158-15)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |  |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 192    | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 59 ( 0.5' ) (H243158-16)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 128    | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 60 ( 0.5' ) (H243158-17)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                  |
|-------------------|-----------------------------------|---------------------|------------------|
| Received:         | 06/04/2024                        | Sampling Date:      | 06/04/2024       |
| Reported:         | 06/06/2024                        | Sampling Type:      | Soil             |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact    |
| Project Number:   | 2337                              | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                  |

**Sample ID: CS - 61 ( 0.5' ) (H243158-18)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |  |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 128    | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                  |
|-------------------|-----------------------------------|---------------------|------------------|
| Received:         | 06/04/2024                        | Sampling Date:      | 06/04/2024       |
| Reported:         | 06/06/2024                        | Sampling Type:      | Soil             |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact    |
| Project Number:   | 2337                              | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                  |

**Sample ID: CS - 62 ( 0.5' ) (H243158-19)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |  |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                  |
|-------------------|-----------------------------------|---------------------|------------------|
| Received:         | 06/04/2024                        | Sampling Date:      | 06/04/2024       |
| Reported:         | 06/06/2024                        | Sampling Type:      | Soil             |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact    |
| Project Number:   | 2337                              | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                  |

**Sample ID: CS - 63 ( 0.5' ) (H243158-20)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |  |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 64 ( 0.5' ) (H243158-21)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 65 ( 0.5' ) (H243158-22)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 66 ( 0.5' ) (H243158-23)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 67 ( 0.5' ) (H243158-24)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                  |
|-------------------|-----------------------------------|---------------------|------------------|
| Received:         | 06/04/2024                        | Sampling Date:      | 06/04/2024       |
| Reported:         | 06/06/2024                        | Sampling Type:      | Soil             |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact    |
| Project Number:   | 2337                              | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                  |

**Sample ID: CS - 68 ( 0.5' ) (H243158-25)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |  |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 48.0   | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 41 ( 2.0' ) (H243158-26)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 208    | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                  |
|-------------------|-----------------------------------|---------------------|------------------|
| Received:         | 06/04/2024                        | Sampling Date:      | 06/04/2024       |
| Reported:         | 06/06/2024                        | Sampling Type:      | Soil             |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact    |
| Project Number:   | 2337                              | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                  |

**Sample ID: SW - 42 ( 1.5' ) (H243158-27)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |  |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 384    | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 43 ( 0.5' ) (H243158-28)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 64.0   | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 44 ( 0.5' ) (H243158-29)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 64.0   | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 45 ( 0.5' ) (H243158-30)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 64.0   | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 46 ( 0.5' ) (H243158-31)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 64.0   | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 47 ( 0.5' ) (H243158-32)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 432    | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 70.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 48 ( 0.5' ) (H243158-33)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 240    | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received: 06/04/2024  
 Reported: 06/06/2024  
 Project Name: MARQUARDT 1 PENN FEDERAL #001 (04  
 Project Number: 2337  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 06/04/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 49 ( 0.5' ) (H243158-34)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 224    | 16.0            | 06/06/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 219 | 109        | 200           | 2.98 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 215 | 107        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                  |
|-------------------|-----------------------------------|---------------------|------------------|
| Received:         | 06/04/2024                        | Sampling Date:      | 06/04/2024       |
| Reported:         | 06/06/2024                        | Sampling Type:      | Soil             |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact    |
| Project Number:   | 2337                              | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                  |

**Sample ID: SW - 50 ( 0.5' ) (H243158-35)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.04 | 102        | 2.00          | 1.71  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.969 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 2.11 | 106        | 2.00          | 0.982 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 6.44 | 107        | 6.00          | 1.22  |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 128    | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 210 | 105        | 200           | 0.674 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 231 | 115        | 200           | 1.48  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 11248158

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

|                   |                         |   |
|-------------------|-------------------------|---|
| Project Name:     |                         | Marquardt 1 Penn Federal #001 (04.04.24)                                  |
| Project Number:   | 2337                    | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |
| Project Location: | Eddy County, New Mexico | Due Date:   |
| Sampler's Name:   | MM/GP                   |   |
| PO #:             |                         |   |

|                       |   |                        |   |                    |   |          |   |
|-----------------------|---|------------------------|---|--------------------|---|----------|---|
| SAMPLE RECEIPT        |   | Temp Blank:            | Yes <input checked="" type="radio"/> No <input type="radio"/> | Thermometer ID:    | Yes <input checked="" type="radio"/> No <input type="radio"/> | Wet Ice: | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| Received In tact:     | Yes <input checked="" type="radio"/> No <input type="radio"/> | Cooler Custody Seals:  | Yes <input checked="" type="radio"/> No <input type="radio"/> | Correction Factor: |   |          |   |
| Sample Custody Seals: | Yes <input checked="" type="radio"/> No <input type="radio"/> | Temperature Reading:   |   |                    |   |          |   |
| Total Containers:     |   | Corrected Temperature: |   |                    |   |          |   |

| Project Name:         |   | Marguardt 1 Permit Federal #001 (04.04.24) |      | Turn Around  |  | ANALYSIS REQUEST |  |            |                               |   |  |  |  |  |  | Preservative Codes                              |                            |                                     |   |
|-----------------------|---|--|------|--|--|------------------|--|------------|-------------------------------|---|--|--|--|--|--|---|----------------------------|-------------------------------------|---|
| Project Number:       | 2337  |  |      | <input type="checkbox"/> Routine   | <input checked="" type="checkbox"/> Rush                                 | Pres. Code       |  |            |                               |   |  |  |  |  |  | None: NO  | DI Water: H <sub>2</sub> O |                                     |   |
| Project Location      | Eddy County, New Mexico <th>Due Date:</th> <td><del>72 hrs</del></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Cool: Cool</td> <td>MeOH: Me</td> |  |      | Due Date:  | <del>72 hrs</del>  |                  |  |            |                               |   |  |  |  |  |  | Cool: Cool                                      | MeOH: Me                   |                                     |   |
| Sampler's Name:       | MM/GP   |  |      |  | 48 mm  |                  |  |            |                               |   |  |  |  |  |  | HCL: HC   | HNO <sub>3</sub> : HN      |                                     |   |
| PO #:                 |   |  |      |  |  |                  |  |            |                               |   |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na                   |                                     |   |
| SAMPLE RECEIPT        |   |  |      | Temp Blank:  | Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> | Wet Ice:         | Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> | Parameters |                               |   |  |  |  |  |  |   |                            | H <sub>3</sub> PO <sub>4</sub> : HP |   |
| Received Intact:      |   |  |      | Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>     | Thermometer ID:  | 140              |  |            | BTEX 8021B                    |   |  |  |  |  |  |   |                            |                                     | NaHSO <sub>4</sub> : NABIS  |
| Cooler Custody Seals: |   |  |      | Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> N/A | Correction Factor:   | 1                |  |            | TPH 8015M ( GRO + DRO + MRO ) |   |  |  |  |  |  |   |                            |                                     | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |
| Sample Custody Seals: |   |  |      | Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> N/A | Temperature Reading:   | 4.92             |  |            | Chloride 4500                 |   |  |  |  |  |  |   |                            |                                     | Zn Acetate+NaOH: Zn   |
| Total Containers:     |   |  |      |  | Corrected Temperature:   |                  |  |            |                               |   |  |  |  |  |  |   |                            |                                     | NaOH+Ascorbic Acid: SAPC  |
| Sample Identification |   | Date                                       | Time | Soil   | Water  | Grab/Comp        | # of Cont  |            |                               |   |  |  |  |  |  |   |                            | Sample Comments                     |   |
| CS-44 (2.0')          |   | 6/4/2024                                   |      | X  |  | C                | 1  | X          | X                             | X |  |  |  |  |  |   |                            |                                     |   |
| CS-45 (2.0')          |   | 6/4/2024                                   |      | X  |  | C                | 1  | X          | X                             | X |  |  |  |  |  |   |                            |                                     |   |
| CS-46 (0.5')          |   | 6/4/2024                                   |      | X  |  | C                | 1  | X          | X                             | X |  |  |  |  |  |   |                            |                                     |   |
| CS-47 (0.5')          |   | 6/4/2024                                   |      | X  |  | C                | 1  | X          | X                             | X |  |  |  |  |  |   |                            |                                     |   |
| CS-48 (0.5')          |   | 6/4/2024                                   |      | X  |  | C                | 1  | X          | X                             | X |  |  |  |  |  |   |                            |                                     |   |
| CS-49 (0.5')          |   | 6/4/2024                                   |      | X  |  | C                | 1  | X          | X                             | X |  |  |  |  |  |   |                            |                                     |   |
| CS-50 (0.5')          |   | 6/4/2024                                   |      | X  |  | C                | 1  | X          | X                             | X |  |  |  |  |  |   |                            |                                     |   |
| CS-51 (0.5')          |   | 6/4/2024                                   |      | X  |  | C                | 1  | X          | X                             | X |  |  |  |  |  |   |                            |                                     |   |
| CS-52 (0.5')          |   | 6/4/2024                                   |      | X  |  | C                | 1  | X          | X                             | X |  |  |  |  |  |   |                            |                                     |   |
| CS-53 (0.5')          |   | 6/4/2024                                   |      | X  |  | C                | 1  | X          | X                             | X |  |  |  |  |  |   |                            |                                     |   |

Comments:

|                              |           |                          |           |
|------------------------------|-----------|--------------------------|-----------|
| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
| <u>[Signature]</u>           | 6/24/24   | <u>[Signature]</u>       |           |



Chain of Custody

Work Order No: 1243158

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

|  |  |
|--|--|
| Program: <input type="checkbox"/> UST/ <input type="checkbox"/> PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund           |  |
| State of Project:  |  |
| Reporting Level: <input type="checkbox"/> 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 Name:         | Marquardt 1 Penn Federal #001 (04.04.24)                            | Turn Around            | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code      | ANALYSIS REQUEST  |           |   |                              |  |  |  |  |  |  |  |  | Preservative Codes |   |                            |  |  |
| Project Number:       | 2337  |                        |   |                 |   |           |   |                              |  |  |  |  |  |  |  |  |                    | None: NO  | DI Water: H <sub>2</sub> O |  |  |
| Project Location:     | Eddy County, New Mexico   | Due Date:              | 7/27/25   |                 |   |           |   |                              |  |  |  |  |  |  |  |  |                    | Cool: Cool                                      | MeOH: Me                   |  |  |
| Sampler's Name:       | MM/GP   |                        | 48 mm   |                 |   |           |   |                              |  |  |  |  |  |  |  |  |                    | HCL: HC   | HNO <sub>3</sub> : HN      |  |  |
| PO #:                 |   |                        |   |                 |   |           |   |                              |  |  |  |  |  |  |  |  |                    | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na                   |  |  |
| SAMPLE RECEIPT        |   | Temp Blank:            | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Thermometer ID: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Well Ice: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Parameters                   |  |  |  |  |  |  |  |  |                    |   |                            |  |  |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |                        |   |                 |   |           |   | BTEX 8021B                   |  |  |  |  |  |  |  |  |                    |   |                            |  |  |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor:     |   |                 |   |           |   | TPH 8015M ( GRO + DRO + MRO) |  |  |  |  |  |  |  |  |                    |   |                            |  |  |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Temperature Reading:   | 4.91  |                 |   |           |   | Chloride 4500                |  |  |  |  |  |  |  |  |                    |   |                            |  |  |
| Total Containers:     |   | Corrected Temperature: |   |                 |   |           |   |                              |  |  |  |  |  |  |  |  |                    |   |                            |  |  |

| Sample Identification | Date | Time | Soil | Water | Grab/<br>Comp | # of<br>Cont | TPH |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Sample Comments |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                       |      |      |      |       |               |              |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Comments:

|                              |            |                          |           |
|------------------------------|------------|--------------------------|-----------|
| Relinquished by: (Signature) | Date/Time  | Received by: (Signature) | Date/Time |
| <u>[Signature]</u>           | 04-24 1514 | <u>[Signature]</u>       |           |



Chain of Custody

Work Order No: H24858

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

|  |  |
|--|--|
| Program: UST/PT <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Deepfund <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 Name:         | Marquardt 1 Penn Federal #001 (04.04.24)                            | Turn Around            | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Press. Code |   |
| Project Number:       | 2337  | Due Date:              | 72 hrs  |             |   |
| Project Location:     | Eddy County, New Mexico   |                        |   |             |   |
| Sampler's Name:       | MM/GP   |                        |   |             |   |
| PO #:                 |   |                        |   |             |   |
| SAMPLE RECEIPT        |   | Temp Blank:            | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Well log:   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Received In tact:     | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:        |   |             |   |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor:     |   |             |   |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Temperature Reading:   | 4.92  |             |   |
| Total Containers:     |   | Corrected Temperature: |   |             |   |

| Sample Identification | Date     | Time | Soil | Water | Grab/Comp | # of Cont | Parameters                   | ANALYSIS REQUEST | Preservative Codes  | Sample Comments |
|-----------------------|----------|------|------|-------|-----------|-----------|------------------------------|------------------|---|-----------------|
| CS-64 (0.5')          | 6/4/2024 |      | X    |       | C         | 1         | BTEX 8021B                   |                  | None: NO  |                 |
| CS-65 (0.5')          | 6/4/2024 |      | X    |       | C         | 1         | TPH 8015M ( GRO + DRO + MRO) |                  | DI Water: H <sub>2</sub> O  |                 |
| CS-66 (0.5')          | 6/4/2024 |      | X    |       | C         | 1         | Chloride 4500                |                  | Cool: Cool  |                 |
| CS-67 (0.5')          | 6/4/2024 |      | X    |       | C         | 1         |                              |                  | HCL: HC   |                 |
| CS-68 (0.5')          | 6/4/2024 |      | X    |       | C         | 1         |                              |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |                 |
| SW-41 (2.0')          | 6/4/2024 |      | X    |       | C         | 1         |                              |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                 |
| SW-42 (1.5')          | 6/4/2024 |      | X    |       | C         | 1         |                              |                  | NaHSO <sub>4</sub> : NABIS  |                 |
| SW-43 (0.5')          | 6/4/2024 |      | X    |       | C         | 1         |                              |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                 |
| SW-44 (0.5')          | 6/4/2024 |      | X    |       | C         | 1         |                              |                  | Zn Acetate+NaOH: Zn   |                 |
| SW-45 (0.5')          | 6/4/2024 |      | X    |       | C         | 1         |                              |                  | NaOH+Ascorbic Acid: SAPC  |                 |

Comments:

|                              |             |                          |           |
|------------------------------|-------------|--------------------------|-----------|
| Relinquished by: (Signature) | Date/Time   | Received by: (Signature) | Date/Time |
| <u>[Signature]</u>           | 6/4/24 1514 | <u>[Signature]</u>       |           |



Work Order No: H2C18158

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

[illegible][illegible]

Date/Time

Released to Imaging: 7/2/2024 3:00:58 PM



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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June 10, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MARQUARDT 1 PENN FEDERAL #001 (04.04.24)

Enclosed are the results of analyses for samples received by the laboratory on 06/07/24 15:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celest D. Keene". The signature is written in a cursive, flowing style.

Celest D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 06/07/2024                        | Sampling Date:      | 06/07/2024    |
| Reported:         | 06/10/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: CS - 70 (0.5-0.75') (H243289-01)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/07/2024 | ND              | 1.86 | 92.8       | 2.00          | 11.2 |           |
| Toluene*       | <0.050 | 0.050           | 06/07/2024 | ND              | 1.84 | 92.0       | 2.00          | 10.5 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/07/2024 | ND              | 1.84 | 92.2       | 2.00          | 9.75 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/07/2024 | ND              | 5.48 | 91.4       | 6.00          | 9.88 |           |
| Total BTEX     | <0.300 | 0.300           | 06/07/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 06/10/2024 | ND              | 432 | 108        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2024 | ND              | 150 | 74.9       | 200           | 13.1 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2024 | ND              | 153 | 76.6       | 200           | 7.72 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |               |
|-------------------|-----------------------------------|---------------------|---------------|
| Received:         | 06/07/2024                        | Sampling Date:      | 06/07/2024    |
| Reported:         | 06/10/2024                        | Sampling Type:      | Soil          |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact |
| Project Number:   | 2337                              | Sample Received By: | Alyssa Parras |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |               |

**Sample ID: CS - 71 (0.5-0.75') (H243289-02)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/07/2024 | ND              | 1.86 | 92.8       | 2.00          | 11.2 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/07/2024 | ND              | 1.84 | 92.0       | 2.00          | 10.5 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/07/2024 | ND              | 1.84 | 92.2       | 2.00          | 9.75 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/07/2024 | ND              | 5.48 | 91.4       | 6.00          | 9.88 |           |  |
| Total BTEx     | <0.300 | 0.300           | 06/07/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 112    | 16.0            | 06/10/2024 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2024 | ND              | 150 | 74.9       | 200           | 13.1 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2024 | ND              | 153 | 76.6       | 200           | 7.72 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 71.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 17243289

|                  |                       |                         |                   |
|------------------|-----------------------|-------------------------|-------------------|
| Project Manager: | Ashon Thielke         | Bill to: (if different) | Carmona Resources |
| Company Name:    | Carmona Resources     | Company Name:           |                   |
| Address:         | 310 W Wall St Ste 500 | Address:                |                   |
| City, State ZIP: | Midland, TX 79701     | City, State ZIP:        |                   |
| Phone:           | 432-813-8988          | Email:                  |                   |

|   |  |
|---|--|
| Work Order Comments   |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> JRC <input type="checkbox"/> Jperfund <input type="checkbox"/>      |  |
| State of Project:   |  |
| Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input type="checkbox"/> AdAPT <input type="checkbox"/> Other:  |  |

| Project Name:         |   | Marquardt 1 Penn Federal #001 (04.04.24) |  | Turn Around |   | Pres. Code | ANALYSIS REQUEST  |   |   |   |  |  |  |  |  |  |  |  |   |   |                            |            | Preservative Codes |                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Project Number:       | 2337  | <input type="checkbox"/> Routine         | <input checked="" type="checkbox"/> Rush |             |   |            |   |   |   |   |  |  |  |  |  |  |  |  |   | None: NO  | DI Water: H <sub>2</sub> O |            |                    |                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Location      | Eddy County, New Mexico   |  |  | Due Date:   | 24 Hrs  |            |   |   |   |   |  |  |  |  |  |  |  |  |   |   |                            | Cool: Cool | MeOH: Me           |                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sampler's Name:       | MM  |  |  |             |   |            |   |   |   |   |  |  |  |  |  |  |  |  |   | HCL: HC   | HNO <sub>3</sub> : HN      |            |                    |                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PO #:                 |   |  |  |             |   |            |   |   |   |   |  |  |  |  |  |  |  |  |   | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na                   |            |                    |                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SAMPLE RECEIPT        |   |  |  | Temp Blank: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice:   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |   |   |   |  |  |  |  |  |  |  |  |   |   |                            |            |                    | H <sub>3</sub> PO <sub>4</sub> : HP |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>     | Thermometer ID:                          |  |             |   |            |   |   |   |   |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS  |   |                            |            |                    |                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Correction Factor:                       |  |             |   |            |   |   |   |   |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |   |                            |            |                    |                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Temperature Reading:                     |  |             |   |            |   |   |   |   |  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn   |   |                            |            |                    |                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Containers:     | Corrected Temperature:  |  |  |             |   |            |   |   |   |   |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC  |   |                            |            |                    |                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sample Identification |   | Date                                     | Time                                     | Soil        | Water   | Grab/Comp  | # of Cont   |   |   |   |  |  |  |  |  |  |  |  |   |   |                            |            |                    | Sample Comments                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CS-70 (0.5 - 0.75')   |   | 6/7/2024                                 |  | X           |   | C          | 1   | X | X | X |  |  |  |  |  |  |  |  |   |   |                            |            |                    |                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 06, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MARQUARDT 1 PENN FEDERAL #001 (04.04.24)

Enclosed are the results of analyses for samples received by the laboratory on 06/04/24 15:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                  |
|-------------------|-----------------------------------|---------------------|------------------|
| Received:         | 06/04/2024                        | Sampling Date:      | 06/04/2024       |
| Reported:         | 06/06/2024                        | Sampling Type:      | Soil             |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact    |
| Project Number:   | 2337                              | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                  |

**Sample ID: STOCKPILE COMPOSITE #1 (H243157-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |
| Total BTEX     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 85.8 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 ASHTON THIELKE  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

|                   |                                   |                     |                  |
|-------------------|-----------------------------------|---------------------|------------------|
| Received:         | 06/04/2024                        | Sampling Date:      | 06/04/2024       |
| Reported:         | 06/06/2024                        | Sampling Type:      | Soil             |
| Project Name:     | MARQUARDT 1 PENN FEDERAL #001 (04 | Sampling Condition: | Cool & Intact    |
| Project Number:   | 2337                              | Sample Received By: | Shalyn Rodriguez |
| Project Location: | EDDY COUNTY, NEW MEXICO           |                     |                  |

**Sample ID: STOCKPILE COMPOSITE #2 (H243157-02)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 2.00 | 99.8       | 2.00          | 1.39  |           |  |
| Toluene*       | <0.050 | 0.050           | 06/05/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.11  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/05/2024 | ND              | 1.99 | 99.3       | 2.00          | 0.772 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/05/2024 | ND              | 5.78 | 96.4       | 6.00          | 0.595 |           |  |
| Total BTEx     | <0.300 | 0.300           | 06/05/2024 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 87.2 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 64.0   | 16.0            | 06/06/2024 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/05/2024 | ND              | 236 | 118        | 200           | 4.21 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/05/2024 | ND              | 238 | 119        | 200           | 3.48 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- BS-3            Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND            Analyte NOT DETECTED at or above the reporting limit
- RPD           Relative Percent Difference
- \*\*            Samples not received at proper temperature of 6°C or below.
- \*\*\*           Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
             Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Work Order No: 11213157

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other: \_\_\_\_\_

| ANALYSIS REQUEST |  |  |  |  |  |  |  |  |  | Preservative Codes  |                            |
|------------------|--|--|--|--|--|--|--|--|--|---|----------------------------|
|                  |  |  |  |  |  |  |  |  |  | None: NO  | DI Water: H <sub>2</sub> O |
|                  |  |  |  |  |  |  |  |  |  | Cool: Cool  | MeOH: Me                   |
|                  |  |  |  |  |  |  |  |  |  | HCL: HC   | HNO <sub>3</sub> : HN      |
|                  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
|                  |  |  |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
|                  |  |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS  |                            |
|                  |  |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
|                  |  |  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn   |                            |

Comments:

Released to Imaging: 7/2/2024 3:00:58 PM

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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 356578

QUESTIONS

|  |                |
|--|----------------|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:         |
|  | 373619         |
|  | Action Number: |
|  | 356578         |
| Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure)          |                |

QUESTIONS

|                  |   |
|------------------|---|
| Prerequisites    |   |
| Incident ID (n#) | nAPP2409950483                            |
| Incident Name    | NAPP2409950483 MARQUARDT 1 PENN FED 1 @ 0 |
| Incident Type    | Produced Water Release                    |
| Incident Status  | Remediation Closure Report Received       |

|  |                        |
|--|------------------------|
| Location of Release Source                     |                        |
| Please answer all the questions in this group. |                        |
| Site Name                                      | Marquardt 1 Penn Fed 1 |
| Date Release Discovered                        | 04/04/2024             |
| Surface Owner                                  | Federal                |

|  |                        |
|--|------------------------|
| Incident Details   |                        |
| Please answer all the questions in this group.   |                        |
| Incident Type  | Produced Water Release |
| Did this release result in a fire or is the result of a fire   | No                     |
| Did this release result in any injuries  | No                     |
| Has this release reached or does it have a reasonable probability of reaching a watercourse          | No                     |
| Has this release endangered or does it have a reasonable probability of endangering public health    | No                     |
| Has this release substantially damaged or will it substantially damage property or the environment   | Yes                    |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No                     |

|  |   |
|--|---|
| Nature and Volume of Release   |   |
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. |   |
| Crude Oil Released (bbls) Details  | Not answered.   |
| Produced Water Released (bbls) Details   | Cause: Human Error   Pipeline (Any)   Produced Water   Released: 100 BBL   Recovered: 0 BBL   Lost: 100 BBL.  |
| Is the concentration of chloride in the produced water >10,000 mg/l  | Yes   |
| Condensate Released (bbls) Details   | Not answered.   |
| Natural Gas Vented (Mcf) Details   | Not answered.   |
| Natural Gas Flared (Mcf) Details   | Not answered.   |
| Other Released Details   | Not answered.   |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)                                 | This release was caused by a third party contractor, ( Tactical Water Group) severing a produced water pipeline, while performing work for another Operator, ( Select Energy Services). Blackbuck Resources, nor its facilities, equipment, contractors, or personnel were the cause of this release. |

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**State of New Mexico**  
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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 356578

**QUESTIONS (continued)**

|  |                |
|--|----------------|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:         |
|  | 373619         |
|  | Action Number: |
|  | 356578         |
| 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;<br>(2) an unauthorized release of a volume that:<br>(d) substantially damages property or the environment. |
| 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: Adrienne Tovar<br>Email: adrienne.tovar@blackbuckresources.com<br>Date: 06/21/2024 |
|--|--|

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**State of New Mexico**  
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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 3  
  
Action 356578

**QUESTIONS (continued)**

|  |                |
|--|----------------|
| Operator:<br><br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:         |
|  | 373619         |
|  | Action Number: |
|  | 356578         |
| Action Type:   |                |
| [C-141] Remediation Closure Request C-141 (C-141-v-Closure)                              |                |

**QUESTIONS**

|  |                                      |
|--|--------------------------------------|
| <b>Site Characterization</b>   |                                      |
| <i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i> |                                      |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)   | Between 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)  | Between 1 and 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 1000 (ft.) and ½ (mi.)       |
| A subsurface mine  | Greater than 5 (mi.)                 |
| An (non-karst) unstable area   | Zero feet, overlying, or within area |
| Categorize the risk of this well / site being in a karst geology   | High                                 |
| A 100-year floodplain  | Between 1000 (ft.) and ½ (mi.)       |
| Did the release impact areas not on an exploration, development, production, or storage site   | Yes                                  |

|   |            |
|---|------------|
| <b>Remediation Plan</b>   |            |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>  |            |
| Requesting a remediation plan approval with this submission   | Yes        |
| <i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>  |            |
| Have the lateral and vertical extents of contamination been fully delineated  | Yes        |
| Was this release entirely contained within a lined containment area   | No         |
| <b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)   |            |
| Chloride (EPA 300.0 or SM4500 Cl B)   | 2680       |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)   | 0          |
| GRO+DRO (EPA SW-846 Method 8015M)   | 0          |
| BTEX (EPA SW-846 Method 8021B or 8260B)   | 0          |
| Benzene (EPA SW-846 Method 8021B or 8260B)  | 0          |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>  |            |
| On what estimated date will the remediation commence  | 05/13/2024 |
| On what date will (or did) the final sampling or liner inspection occur   | 05/24/2024 |
| On what date will (or was) the remediation complete(d)  | 06/05/2024 |
| What is the estimated surface area (in square feet) that will be reclaimed  | 17320      |
| What is the estimated volume (in cubic yards) that will be reclaimed  | 1300       |
| What is the estimated surface area (in square feet) that will be remediated   | 17320      |
| What is the estimated volume (in cubic yards) that will be remediated   | 1300       |
| <i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>  |            |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i> |            |



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QUESTIONS, Page 4

Action 356578

**QUESTIONS (continued)**

|  |                |   |
|--|----------------|---|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:         | 373619  |
|  | Action Number: | 356578  |
|  | Action Type:   | [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  | LEA LAND LANDFILL [fEEM0112342028]  |
| <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: Adrienne Tovar<br>Email: <a href="mailto:adrienne.tovar@blackbuckresources.com">adrienne.tovar@blackbuckresources.com</a><br>Date: 06/21/2024 |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>  |   |

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

QUESTIONS, Page 5  
  
Action 356578

QUESTIONS (continued)

|  |                |
|--|----------------|
| Operator:<br><br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:         |
|  | 373619         |
|  | Action Number: |
|  | 356578         |
| Action Type:   |                |
| [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 |

**District I**

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**District II**

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Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 6

Action 356578

**QUESTIONS (continued)**

|  |                |
|--|----------------|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:         |
|  | 373619         |
|  | Action Number: |
|  | 356578         |
| Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure)          |                |

**QUESTIONS**

| Sampling Event Information  |            |
|---|------------|
| Last sampling notification (C-141N) recorded  | 349868     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 06/05/2024 |
| What was the (estimated) number of samples that were to be gathered                             | 100        |
| What was the sampling surface area in square feet   | 18900      |

**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  | 17320   |
| What was the total volume (cubic yards) remediated   | 1300  |
| 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   | 17320   |
| What was the total volume (in cubic yards) reclaimed   | 1300  |
| Summarize any additional remediation activities not included by answers (above)  | After buried pipelines and utilities in the ROW were hydrovac'd and uncovered to be safely identified, the entire area was excavated/remediated at risk. All contamination was removed from the site and disposed of properly. Composite confirmation floor and sidewall samples were obtained followed by backfill of the entire remediation area to resume oilfield activities along the ROW and lease road. Backfill material was tested and confirmed to be clean before backfilling into the excavation. |

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: Adrienne Tovar<br>Email: <a href="mailto:adrienne.tovar@blackbuckresources.com">adrienne.tovar@blackbuckresources.com</a><br>Date: 06/21/2024 |
|--|---|

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QUESTIONS, Page 7  
  
Action 356578

QUESTIONS (continued)

|  |   |
|--|---|
| Operator:<br><br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:<br><br>373619  |
|  | Action Number:<br><br>356578  |
|  | 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 356578

CONDITIONS

|  |                |
|--|----------------|
| Operator:<br>Blackbuck New Mexico LLC<br>3200 Southwest Freeway<br>Houston, TX 77027 | OGRID:         |
|  | 373619         |
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| Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure)          |                |

CONDITIONS

| Created By | Condition  | Condition Date |
|------------|--|----------------|
| scwells    | Remediation closure approved. Sampling notices were submitted for 5/24, 5/28, 6/3 and 6/5/24, however samples were also collected on 5/30, 6/4 and 6/7. No sampling notice was submitted for 5/30, 6/4 and 6/7/24. A sampling notice should be submitted at least two business days prior to collection for each date that confirmation samples are collected. | 7/2/2024       |
| scwells    | Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC  | 7/2/2024       |