

CARMONA RESOURCES



## SITE INFORMATION

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**Closure Report**  
**Jackelope 24 Federal TB**  
**Lea County, New Mexico**  
**Unit G Sec 24 T22S R32E**  
**32.378875°, -103.626303°**

**Produced Water Release**  
**Point of Release: Lighting Strike**  
**Release Date: 10/9/22**  
**Volume Released: > 5 Barrels of Produced Water**  
**Volume Recovered: 0 Barrels of Produced Water**

CARMONA RESOURCES



**Prepared for:**  
**EOG Resources**  
**5509 Champions Drive**  
**Midland, TX 79706**

**Prepared by:**  
**Carmona Resources, LLC**  
**310 West Wall Street**  
**Suite 415**  
**Midland, Texas 79701**

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November 11, 2022

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

**Re: Closure Report  
Jackelope 24 Federal TB  
EOG Resources Inc.  
Site Location: Unit G, S24, T22S, R32E  
(Lat 32.378875°, Long -103.626303°)  
Lea County, New Mexico**

To whom it may concern:

On behalf of EOG Resources Inc. (EOG), Carmona Resources, LLC has prepared this letter to document the Jackelope 24 Federal TB site activities. The site is located at 32.378875° -103.626303° within Unit G, S24, T22S, R32E, in Lea County, New Mexico (Figures 1 and 2).

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

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on October 9, 2022, due to a lightning strike. All fluids stayed in the tanks or were burned off. It released greater than (>5) barrels of produced water, and zero (0) barrels of produced water were recovered. The impacted area occurred on the pad and measured approximately 210' x 65', shown in Figure 3. The initial C-141 form is attached in Appendix C.

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

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 1.14 miles Northwest of the site in S14, T22S, R32E and was drilled in 1972. The well has a reported depth to groundwater of 370.40' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

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

### **4.0 Site Assessment Activities**

#### **Trenching Activities**

Before assessing the site, all tanks and equipment were removed. On October 19, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A

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total of four (4) trenches and six (6) horizontal samples were advanced to depths ranging from the surface to 4' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

The area of T-1 showed elevated chloride concentrations from the surface to 2.0' bgs and then declined with depth. The areas of T-2, T-3, and T-4 showed high chloride concentrations from the surface to 1.0' bgs. Vertical and horizontal delineation was achieved. Refer to Table 1.

### **5.0 Remediation Activities**

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on October 26, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of T-1 was excavated to a depth of 2.5' below the surface, and the area of T-2 through T-4 was excavated to a depth of 1.5' to remove all the impacted soils. A total of fifty-two (52) floor confirmation samples were collected (CS-1 through CS-52), and nine (9) sidewall samples (SW-1 through SW-9) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 1,128 cubic yards of material were excavated and transported offsite for proper disposal.

### **5.0 Conclusions**

Based on the assessment results and the analytical data, no further actions are required at the site. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

Mike Carmona  
Environmental Manager

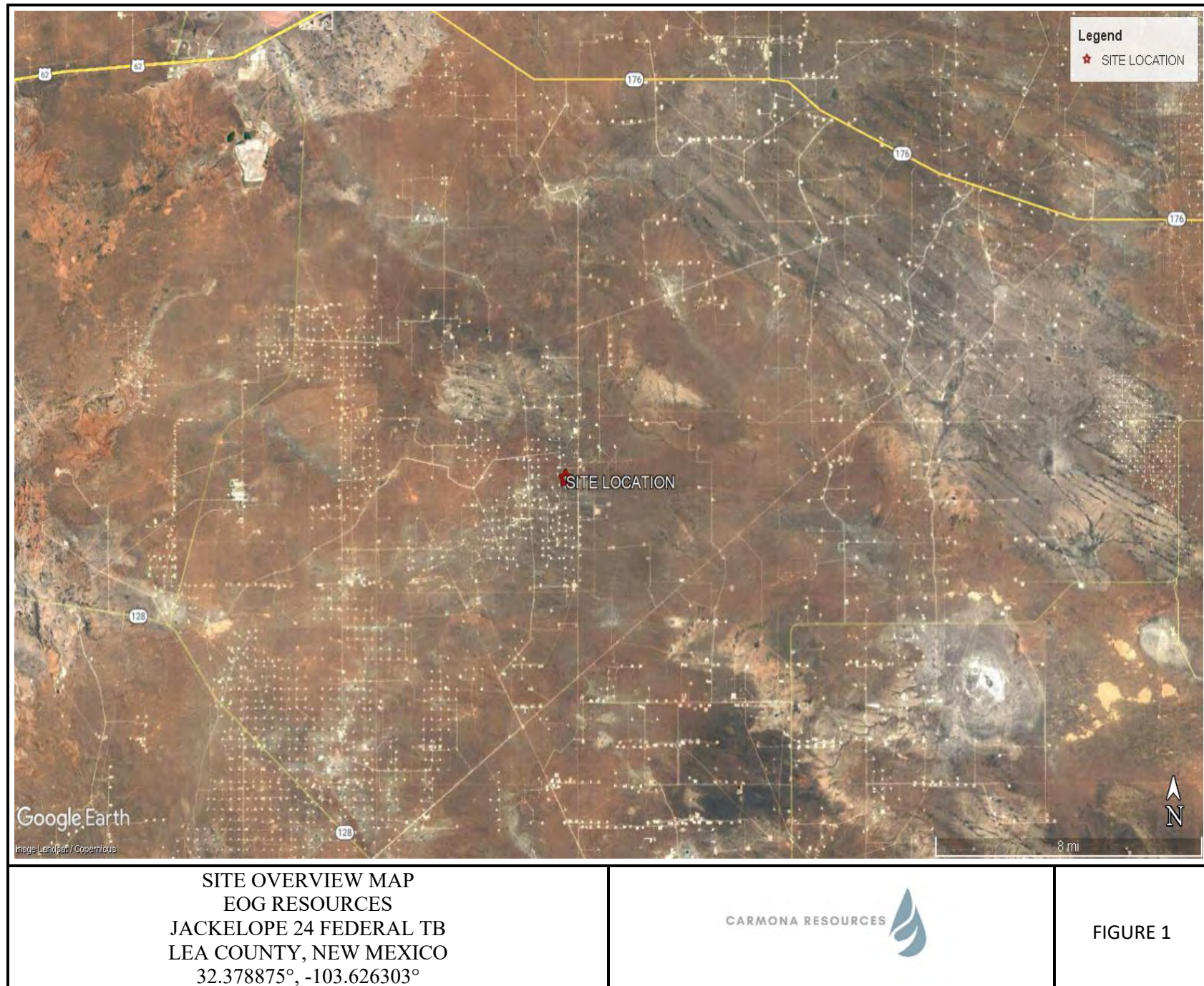
Conner Moehring  
Sr. Project Manager

## FIGURES

CARMONA RESOURCES









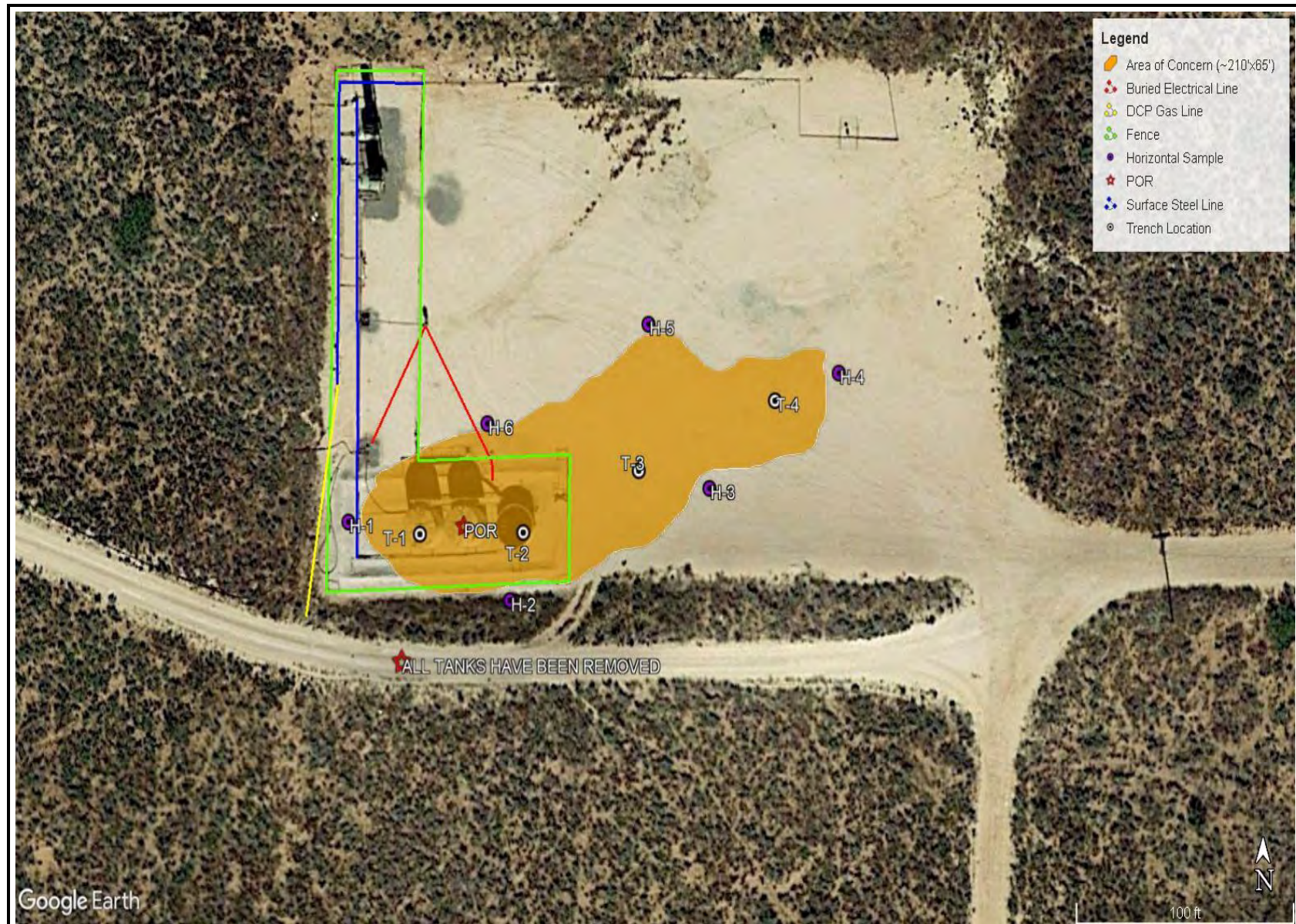


TOPOGRAPHIC MAP  
EOG RESOURCES  
JACKELOPE 24 FEDERAL TB  
LEA COUNTY, NEW MEXICO  
32.378875°, -103.626303°



FIGURE 2



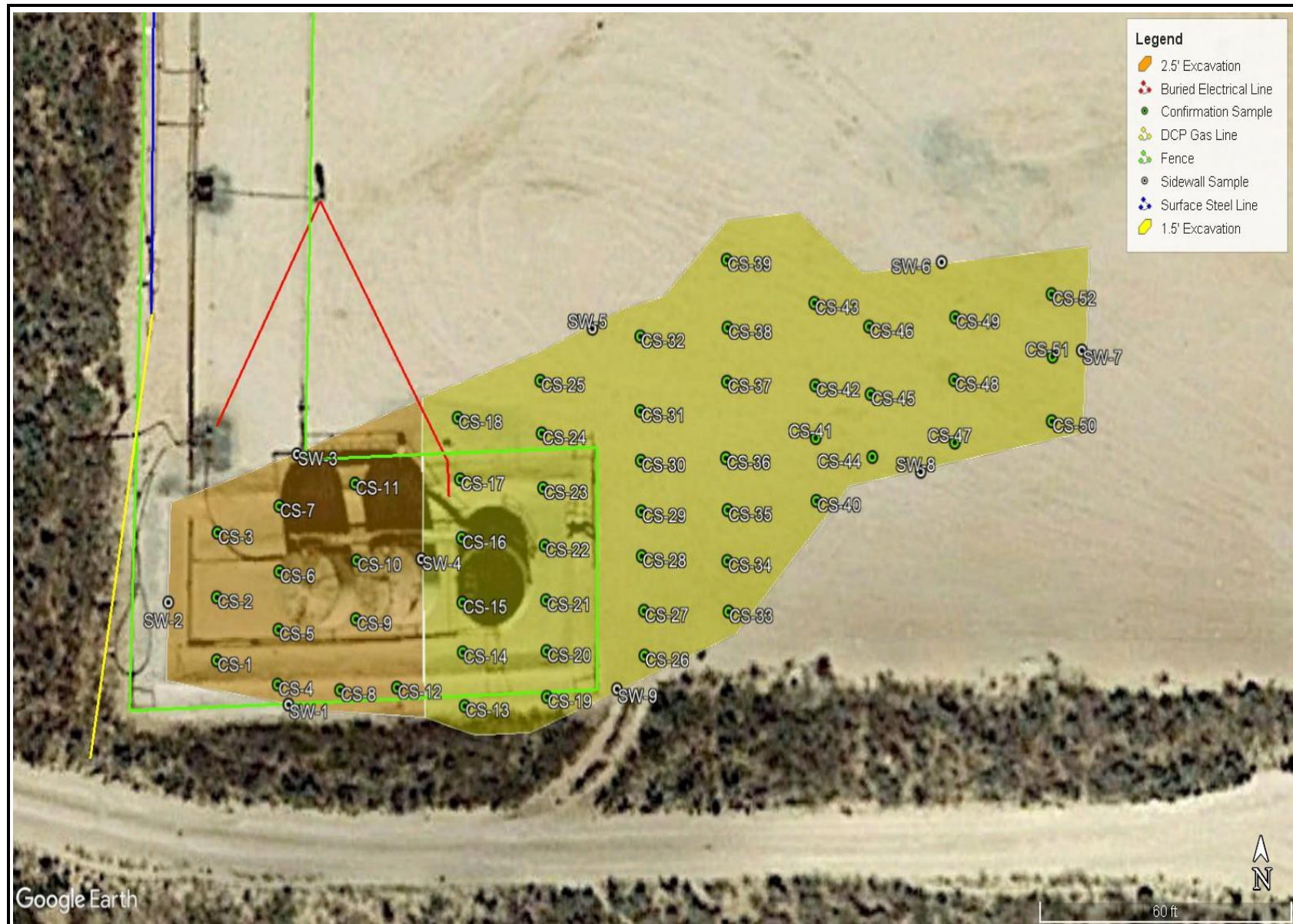


SAMPLE LOCATION MAP  
EOG RESOURCES  
JACKELOPE 24 FEDERAL TB  
LEA COUNTY, NEW MEXICO  
32.378875°, -103.626303°



FIGURE 3





EXCAVATION DPETH MAP  
EOG RESOURCES  
JACKELOPE 24 FEDERAL TB  
LEA COUNTY, NEW MEXICO  
32.378875°, -103.626303°



FIGURE 4

## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**EOG**  
**Jackelope 24 Federal TB**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>T-1</b>	10/19/2022	0-1	<10.0	<b>294</b>	<b>133</b>	<b>427</b>	<0.050	<0.050	<0.050	0.204	<0.300	368
	"	1.5	<10.0	11.1	<10.0	11.1	<0.050	<0.050	<0.050	<0.150	<0.300	<b>2,400</b>
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
<b>T-2</b>	10/19/2022	0-1	<10.0	33.8	13.8	47.6	<0.050	<0.050	<0.050	<0.150	<0.300	<b>7,200</b>
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<b>T-3</b>	10/19/2022	0-1	<10.0	17.5	<10.0	17.5	<0.050	<0.050	<0.050	<0.150	<0.300	<b>4,720</b>
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<b>T-4</b>	10/19/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,020</b>
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112.0
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<b>H-1</b>	8/3/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144.0
<b>H-2</b>	8/3/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160.0
<b>H-3</b>	8/3/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
<b>H-4</b>	8/3/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<b>H-5</b>	8/3/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<b>H-6</b>	8/3/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) Horizontal

(T) Trench

 Removed



**Table 2**  
**EOG Resources**  
**Jackelope 24 Federal TB**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	64.0
CS-2	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	16.0
CS-3	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	64.0
CS-4	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	64.0
CS-5	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	432
CS-6	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	144
CS-7	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
CS-8	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	64.0
CS-9	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
CS-10	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32
CS-11	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32
CS-12	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
CS-13	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
CS-14	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	64.0
CS-15	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	64.0
CS-16	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	112
CS-17	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	224
CS-18	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	208
CS-19	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	80.0
CS-20	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	80.0
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

(CS) Confirmation Sample

**Table 2**  
**EOG Resources**  
**Jackelope 24 Federal TB**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-21	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
CS-22	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	240
CS-23	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	48.0
CS-24	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
CS-25	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	304
CS-26	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	48.0
CS-27	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	16.0
CS-28	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	16.0
CS-29	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	48.0
CS-30	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	64.0
CS-31	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	304
CS-32	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	208
CS-33	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	48.0
CS-34	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	48.0
CS-35	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	112
CS-36	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	96.0
CS-37	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	480
CS-38	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	48.0
CS-39	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	<16.0
CS-40	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	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

(CS) Confirmation Sample

**Table 2**  
**EOG Resources**  
**Jackelope 24 Federal TB**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-41	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	48.0
CS-42	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	80.0
CS-43	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	<16.0
CS-44	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	144
CS-45	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	16.0
CS-46	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	80.0
CS-47	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	80.0
CS-48	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	80.0
CS-49	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	144
CS-50	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	96.0
CS-51	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	96.0
CS-52	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	48.0
SW-1	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	400
SW-2	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
SW-3	10/28/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	224
SW-4	10/28/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	384
SW-5	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	176
SW-6	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	80.0
SW-7	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	112
SW-8	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	112
SW-9	10/28/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	<16.0
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

(CS) Confirmation Sample

(SW) Sidewall Sample



## APPENDIX B

CARMONA RESOURCES



## PHOTOGRAPHIC LOG

## EOG Resources

## Photograph No. 1

Facility: Jackelope 24 Federal TB

County: Lea County, New Mexico

## Description:

View Northwest, area of confirmation sample (1-12).



## Photograph No. 2

Facility: Jackelope 24 Federal TB

County: Lea County, New Mexico

## Description:

View West, area of confirmation samples (13-51).



## Photograph No. 3

Facility: Jackelope 24 Federal TB

County: Lea County, New Mexico

## Description:

View East, area of confirmation samples (13-51).



## APPENDIX C

CARMONA RESOURCES





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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

Incident ID	NAPP2228550179
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name James Kennedy	Contact Telephone 432-848-9146
Contact email james_kennedy@eogresources.com	Incident # (assigned by OCD) nAPP2228550179
Contact mailing address 5509 Champions Drive Midland, TX 79706	

### Location of Release Source

Latitude 32.37902 Longitude -103.62623  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Jackalope 24 Federal Facility	Site Type Tank Battery
Date Release Discovered 10/09/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
F	24	22S	32E	Lea

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

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 0	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 0>5	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

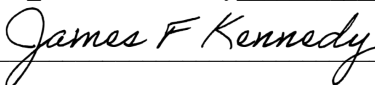
Fire as a result of a lightning strike. No fluid released, all remained in tanks or burned up.

Incident ID	NAPP2228550179
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Fire
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, James Kennedy, <a href="mailto:OCD.enviro@emnrd.nm.gov">OCD.enviro@emnrd.nm.gov</a> , 10/10/22, email.	

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>James F. Kennedy</u>	Title: <u>Env Specialist</u>
Signature: <u></u>	Date: <u>10/12/2022</u>
email: <u>james_kennedy@eogresouirces.com</u>	Telephone: <u>432-258-4346</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>10/12/2022</u>

Incident ID	
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

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

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

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

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

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



State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

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

Signature: James Kennedy Date: 11/11/2022

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

**OCD Only**

Received by: Jocelyn Harimon Date: 01/04/2023

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

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

Signature: James Kennedy Date: 11/11/2022

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

**OCD Only**

Received by: Jocelyn Harimon Date: 01/04/2023

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

Closure Approved by: Jennifer Nobui Date: 01/26/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A

---

**From:** Conner Moehring  
**Sent:** Wednesday, October 26, 2022 11:34 AM  
**To:** OCD.Enviro@emnrd.nm.gov  
**Cc:** Mike Carmona; James Kennedy; Miranda Milwee  
**Subject:** EOG - Jackelope 24 Fed TB - Sampling Notification

Good Morning,

On behalf of EOG, Carmona Resources will collect confirmation samples for the at-risk remediation at the below-referenced site on 10/28/22 around 10:30 a.m. Mountain Time. Please let me know if you have any questions.

EOG - Jackelope 24 Federal TB  
Lea County, New Mexico  
32.378778, -103.626386  
Section 24, Township 22S, Range 32E, Unit Letter G

Conner Moehring  
Carmona Resources  
310 W Wall St. Suite 415  
Midland, Texas 79701  
432-813-6823

## APPENDIX D

CARMONA RESOURCES



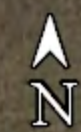


Nearest water well

EOG Resources

**Legend**

- 0.50 Mile Radius
- 1.14 Miles
- 1.44 Miles
- 1.48 Miles
- Jackelope 24 Federal TB
- NMSEO Water Well
- USGS Water Well





Low Karst

EOG Resources

Legend

- Jackelope 24 Federal TB
- Low

Jackelope 24 Federal TB





# 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 02821</a>	C	LE		2	2	3	14	22S	32E	627303	3584563*	2318	540	340	200
<a href="#">C 02096</a>	CUB	ED		2	3	14	22S	32E	627204	3584464*	2348	435	360		75

Average Depth to Water: **350 feet**

Minimum Depth: **340 feet**

Maximum Depth: **360 feet**

Record Count: 2

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 629222

**Northing (Y):** 3583262

**Radius:** 4000

\*UTM location was derived from PLSS - see Help

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

10/27/22 11:49 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



USGS Home  
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Search USGS

National Water Information System: Web Interface


USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

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- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the [Water Data For The Nation Blog](#) for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 322314103383601

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

USGS 322314103383601 22S.32E.14.32422

Lea County, New Mexico  
Latitude 32°23'14", Longitude 103°38'36" NAD27  
Land-surface elevation 3,740 feet above NAVD88  
The depth of the well is 380 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1972-09-13			D	62610	3367.92	NGVD29	1		Z	
1972-09-13			D	62611	3369.60	NAVD88	1		Z	
1972-09-13			D	72019	370.40		1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988



Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)  
**Title: Groundwater for New Mexico: Water Levels**  
**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**



Page Contact Information: [New Mexico Water Data Maintainer](#)  
Page Last Modified: 2022-10-27 13:52:12 EDT  
0.29 0.25 nadww01



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	02821	2	2	3	14	22S	32E	627303	3584563*

---

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

**Driller Name:**

**Drill Start Date:** 06/12/2001      **Drill Finish Date:** 06/23/2001      **Plug Date:**

**Log File Date:** 10/04/2001      **PCW Rev Date:**      **Source:** Shallow

**Pump Type:**      **Pipe Discharge Size:**      **Estimated Yield:** 2 GPM

**Casing Size:** 5.00      **Depth Well:** 540 feet      **Depth Water:** 340 feet

---

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	410	540	Sandstone/Gravel/Conglomerate

---

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>
	410	430
	440	540

---

\*UTM location was derived from PLSS - see Help

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

10/27/22 11:49 AM

POINT OF DIVERSION SUMMARY



USGS Home  
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## National Water Information System: Web Interface

USGS Water Resources

Data Category:  Geographic Area:

Click to hide News Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the [Water Data For The Nation Blog](#) for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

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

### Search Results -- 1 sites found

Agency code = usgs

site\_no list = 

- 322314103384301

Minimum number of levels = 1

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

### USGS 322314103384301 22S.32E.14.32322

Lea County, New Mexico

Latitude 32°23'23", Longitude 103°38'53" NAD27

Land-surface elevation 3,717.00 feet above NGVD29

The depth of the well is 435 feet below land surface.

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

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

#### Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1972-09-13			D 62610		3349.20	NGVD29	1		Z	
1972-09-13			D 62611		3350.88	NAVD88	1		Z	
1972-09-13			D 72019	367.80			1		Z	
1976-12-09			D 62610		3347.16	NGVD29	P		Z	
1976-12-09			D 62611		3348.84	NAVD88	P		Z	
1976-12-09			D 72019	369.84			P		Z	
1981-03-10			D 62610		3342.52	NGVD29	P		Z	
1981-03-10			D 62611		3344.20	NAVD88	P		Z	
1981-03-10			D 72019	374.48			P		Z	
1986-04-10			D 62610		3338.56	NGVD29	1		Z	
1986-04-10			D 62611		3340.24	NAVD88	1		Z	
1986-04-10			D 72019	378.44			1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1996-02-20			D	62610	3334.35	NGVD29	1		S	
1996-02-20			D	62611	3336.03	NAVD88	1		S	
1996-02-20			D	72019	382.65		1		S	

## Explanation

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

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

**URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=322314103384301&agency_cd=USGS&format=html)**

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

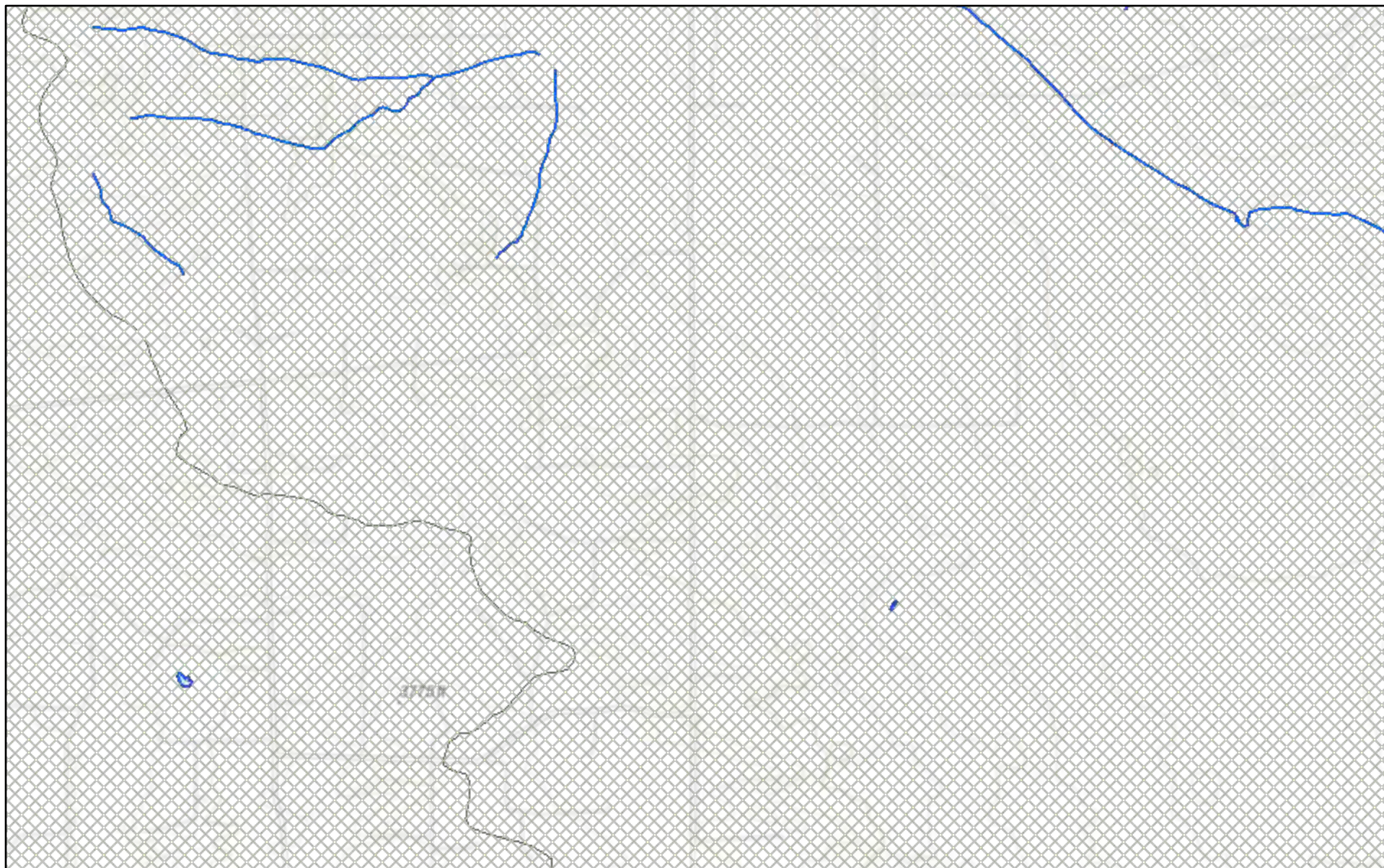
Page Last Modified: 2022-10-27 13:53:21 EDT

0.29 0.24 nadww02

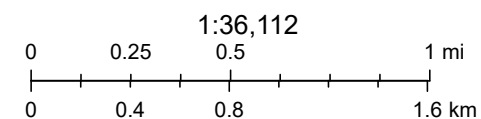




# New Mexico NFHL Data



October 27, 2022



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

[nmflood.org](http://nmflood.org) is made possible through a collaboration with NMDHSEM,

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## APPENDIX E

CARMONA RESOURCES





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

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October 20, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: JACKELOPE 24 FEDERAL TB

Enclosed are the results of analyses for samples received by the laboratory on 10/19/22 14:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 1 (0-1') (H224911-01)**

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	10/19/2022	ND	2.11	106	2.00	5.53	
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42	
<b>Total Xylenes*</b>	<b>0.204</b>	0.150	10/19/2022	ND	6.01	100	6.00	3.56	
Total BTX	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>368</b>	16.0	10/20/2022	ND	416	104	400	3.92	

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	10/19/2022	ND	182	91.1	200	3.63	
<b>DRO &gt;C10-C28*</b>	<b>294</b>	10.0	10/19/2022	ND	171	85.6	200	8.90	
<b>EXT DRO &gt;C28-C36</b>	<b>133</b>	10.0	10/19/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 154 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 1 (1.5') (H224911-02)**

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	10/19/2022	ND	2.11	106	2.00	5.53		
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56		
Total BTEX	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	10/20/2022	ND	416	104	400	3.92		

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	10/19/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	11.1	10.0	10/19/2022	ND					

Surrogate: 1-Chlorooctane 98.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 1 (2') (H224911-03)**

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	10/19/2022	ND	2.11	106	2.00	5.53	
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42	
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56	
Total BTEx	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/20/2022	ND	416	104	400	3.92	

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	10/20/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 1 (3') (H224911-04)**

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	10/19/2022	ND	2.11	106	2.00	5.53	
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42	
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56	
Total BTEx	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/20/2022	ND	416	104	400	3.92		

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	10/20/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 89.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.8 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 1 (4') (H224911-05)**

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	10/19/2022	ND	2.11	106	2.00	5.53	
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42	
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56	
Total BTEx	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.6 % 69.9-140

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	10/20/2022	ND	416	104	400	3.92	

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	10/20/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 115 % 45.3-161

Surrogate: 1-Chlorooctadecane 128 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (0-1') (H224911-06)**

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	10/19/2022	ND	2.11	106	2.00	5.53		
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56		
Total BTEx	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	10/20/2022	ND	416	104	400	3.92	

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	10/20/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	33.8	10.0	10/20/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	13.8	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (1.5') (H224911-07)**

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	10/19/2022	ND	2.11	106	2.00	5.53		
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56		
Total BTEx	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.2 % 69.9-140

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	10/20/2022	ND	416	104	400	3.92	

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	10/20/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (2') (H224911-08)**

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	10/19/2022	ND	2.11	106	2.00	5.53		
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56		
Total BTEx	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.3 % 69.9-140

Chloride, SM4500CI-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	10/20/2022	ND	416	104	400	3.92	

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	10/20/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 122 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (3') (H224911-09)**

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	10/19/2022	ND	2.11	106	2.00	5.53		
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56		
Total BTEX	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.1 % 69.9-140

Chloride, SM4500CI-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	10/20/2022	ND	416	104	400	3.92		

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	10/20/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 2 (4') (H224911-10)**

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	10/19/2022	ND	2.11	106	2.00	5.53		
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56		
Total BTEX	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 69.9-140

Chloride, SM4500CI-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	10/20/2022	ND	416	104	400	3.92		

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	10/20/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 3 (0-1') (H224911-11)**

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	10/19/2022	ND	2.11	106	2.00	5.53	
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42	
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56	
Total BTX	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	10/20/2022	ND	416	104	400	3.92	

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	10/20/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	17.5	10.0	10/20/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 3 (1.5') (H224911-12)**

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	10/19/2022	ND	2.11	106	2.00	5.53		
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56		
Total BTEx	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.6 % 69.9-140

Chloride, SM4500CI-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	10/20/2022	ND	416	104	400	3.92	

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	10/20/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 3 (2') (H224911-13)**

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	10/19/2022	ND	2.11	106	2.00	5.53	
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42	
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56	
Total BTEX	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.5 % 69.9-140

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	10/20/2022	ND	416	104	400	3.92	

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	10/20/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 3 (3') (H224911-14)**

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	10/19/2022	ND	2.11	106	2.00	5.53	
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42	
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56	
Total BTEx	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.2 % 69.9-140

Chloride, SM4500CI-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	10/20/2022	ND	416	104	400	3.92	

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	10/20/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 3 (4') (H224911-15)**

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	10/19/2022	ND	2.11	106	2.00	5.53		
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56		
Total BTEx	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.2 % 69.9-140

Chloride, SM4500CI-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	10/20/2022	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	10/20/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 117 % 45.3-161

Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 4 (0-1') (H224911-16)**

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	10/19/2022	ND	1.99	99.3	2.00	3.10	
Toluene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	2.27	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	1.98	99.1	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.03	100	6.00	3.89	
Total BTX	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	10/20/2022	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	10/19/2022	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	205	102	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	10/19/2022	ND					

Surrogate: 1-Chlorooctane 95.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.9 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 4 (1.5') (H224911-17)**

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	10/19/2022	ND	1.99	99.3	2.00	3.10		
Toluene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	2.27		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	1.98	99.1	2.00	3.69		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.03	100	6.00	3.89		
Total BTEx	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-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	10/20/2022	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	10/19/2022	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	205	102	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	10/19/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 4 (2') (H224911-18)**

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	10/19/2022	ND	1.99	99.3	2.00	3.10		
Toluene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	2.27		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	1.98	99.1	2.00	3.69		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.03	100	6.00	3.89		
Total BTEx	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/20/2022	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	10/19/2022	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	205	102	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	10/19/2022	ND					

Surrogate: 1-Chlorooctane 97.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 4 (3') (H224911-19)**

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	10/19/2022	ND	1.99	99.3	2.00	3.10	
Toluene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	2.27	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	1.98	99.1	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.03	100	6.00	3.89	
Total BTX	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-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	10/20/2022	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	10/19/2022	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	205	102	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	10/19/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 4 (4') (H224911-20)**

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	10/19/2022	ND	1.99	99.3	2.00	3.10		
Toluene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	2.27		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	1.98	99.1	2.00	3.69		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.03	100	6.00	3.89		
Total BTEx	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-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	10/20/2022	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	10/19/2022	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	205	102	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	10/19/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 1 (0-0.5') (H224911-21)**

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	10/19/2022	ND	1.99	99.3	2.00	3.10	
Toluene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	2.27	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	1.98	99.1	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.03	100	6.00	3.89	
Total BTX	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/20/2022	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	10/19/2022	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	205	102	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	10/19/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 2 (0-0.5') (H224911-22)**

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	10/19/2022	ND	1.99	99.3	2.00	3.10		
Toluene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	2.27		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	1.98	99.1	2.00	3.69		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.03	100	6.00	3.89		
Total BTEx	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/20/2022	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	10/19/2022	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	205	102	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	10/19/2022	ND					

Surrogate: 1-Chlorooctane 95.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.8 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 3 (0-0.5') (H224911-23)**

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	10/19/2022	ND	1.99	99.3	2.00	3.10	
Toluene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	2.27	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	1.98	99.1	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.03	100	6.00	3.89	
Total BTX	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-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	10/20/2022	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	10/19/2022	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	205	102	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	10/19/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 4 (0-0.5') (H224911-24)**

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	10/19/2022	ND	1.99	99.3	2.00	3.10		
Toluene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	2.27		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	1.98	99.1	2.00	3.69		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.03	100	6.00	3.89		
Total BTEx	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-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	10/20/2022	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	10/20/2022	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	205	102	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 96.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 5 (0-0.5') (H224911-25)**

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	10/19/2022	ND	1.99	99.3	2.00	3.10		
Toluene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	2.27		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	1.98	99.1	2.00	3.69		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.03	100	6.00	3.89		
Total BTX	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-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	10/20/2022	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	10/20/2022	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	205	102	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 98.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/19/2022  
 Reported: 10/20/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 6 (0-0.5') (H224911-26)**

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	10/19/2022	ND	1.99	99.3	2.00	3.10		
Toluene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	2.27		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	1.98	99.1	2.00	3.69		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.03	100	6.00	3.89		
Total BTEx	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-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	10/20/2022	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	10/20/2022	ND	204	102	200	6.00	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	205	102	200	6.02	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 97.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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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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\*=Accredited Analyte

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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.: H224911Page 1 of 3


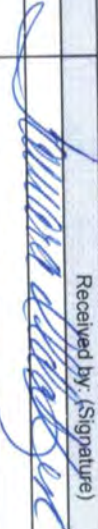
Page 29 of 31

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Iperfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> UST/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:	Jackelope 24 Federal TB	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	1150	Due Date:	24Hrs														None: NO DI Water: H <sub>2</sub> O			
Project Location:	Lea County, NM																Cool: Cool MeOH: Me			
Sampler's Name:	CRM		24 Hours														HCL: HC HNO <sub>3</sub> : HN			
PO #:																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na			
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	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>5</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	
T-1 (0-1')	10/19/2022		X		Grab/	1	X	X	X											
T-1 (1.5')	10/19/2022		X		Grab/	1	X	X	X											
T-1 (2')	10/19/2022		X		Grab/	1	X	X	X											
T-1 (3')	10/19/2022		X		Grab/	1	X	X	X											
T-1 (4')	10/19/2022		X		Grab/	1	X	X	X											
T-2 (0-1')	10/19/2022		X		Grab/	1	X	X	X											
T-2 (1.5')	10/19/2022		X		Grab/	1	X	X	X											
T-2 (2')	10/19/2022		X		Grab/	1	X	X	X											
T-2 (3')	10/19/2022		X		Grab/	1	X	X	X											
T-2 (4')	10/19/2022		X		Grab/	1	X	X	X											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10/19/22		10/19/22 1403



# Chain of Custody

Work Order No: H224911

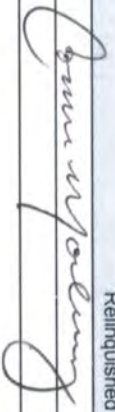
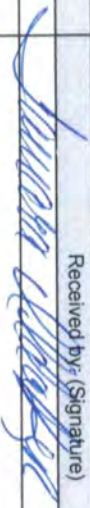
Page 2 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

<b>Work Order Comments</b> Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Iperfund State of Project: Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	
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Project Name:		Jackelope 24 Federal TB		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	1150	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush				None: NO	DI Water: H <sub>2</sub> O												
Project Location:	Lea County, NM	Due Date:	24Hrs			Cool: Cool	MeOH: Me													
Sampler's Name:	CRM					HCL: HC	HNO <sub>3</sub> : HN													
PO #:			24 Hours				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"/>															
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113																	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.46																	
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	5.44																	
Total Containers:		Corrected Temperature:	4.84																	
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont													Sample Comments
T-3 (0-1')		10/19/2022		X		Grab/	1	X	X	X										
T-3 (1.5')		10/19/2022		X		Grab/	1	X	X	X										
T-3 (2')		10/19/2022		X		Grab/	1	X	X	X										
T-3 (3')		10/19/2022		X		Grab/	1	X	X	X										
T-3 (4')		10/19/2022		X		Grab/	1	X	X	X										
T-4 (0-1')		10/19/2022		X		Grab/	1	X	X	X										
T-4 (1.5')		10/19/2022		X		Grab/	1	X	X	X										
T-4 (2')		10/19/2022		X		Grab/	1	X	X	X										
T-4 (3')		10/19/2022		X		Grab/	1	X	X	X										
T-4 (4')		10/19/2022		X		Grab/	1	X	X	X										

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10/19/22		10-19-22 1403



Chain of Custody

Work Order No: H224911

Page 3 of 3

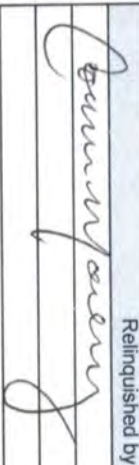

Page 31 of 31

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr
City/ State ZIP:	Midland, TX 79701	City/ State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Iperfund <input type="checkbox"/>	
State of Project:	
Reporting Level 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:		Jackelope 24 Federal TB		Turn Around		Pres. Code	ANALYSIS REQUEST														Preservative Codes	
Project Number:	1150	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush				None: NO	DI Water: H <sub>2</sub> O														
Project Location:	Lee County, NM	Due Date:	24Hrs														Cool: Cool	MeOH: Me				
Sampler's Name:	CRM	24 Hours															HCL: HC	HNO <sub>3</sub> : HN				
PO #:																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na				
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters																
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	115		BTEx 8021B																
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.6°C		TPH 8015M ( GRO + DR0 + MRO)																
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	5.4°C		Chloride 4500																
Total Containers:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	4.8°C																		
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont															Sample Comments
H-1 (0-0.5')		10/19/2022		X		Grab/	1	X	X	X												
H-2 (0-0.5')		10/19/2022		X		Grab/	1	X	X	X												
H-3 (0-0.5')		10/19/2022		X		Grab/	1	X	X	X												
H-4 (0-0.5')		10/19/2022		X		Grab/	1	X	X	X												
H-5 (0-0.5')		10/19/2022		X		Grab/	1	X	X	X												
H-6 (0-0.5')		10/19/2022		X		Grab/	1	X	X	X												

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10/17/22		10-19-22 1403



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---

November 02, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: JACKELOPE 24 FEDERAL TB

Enclosed are the results of analyses for samples received by the laboratory on 10/28/22 13:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 1 (2.5') (H225101-01)**

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	10/31/2022	ND	1.97	98.4	2.00	1.70	
Toluene*	<0.050	0.050	10/31/2022	ND	2.16	108	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.03	101	2.00	1.80	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.16	103	6.00	2.38	
Total BTX	<0.300	0.300	10/31/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

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	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 122 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 2 (2.5') (H225101-02)**

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	10/31/2022	ND	1.97	98.4	2.00	1.70	
Toluene*	<0.050	0.050	10/31/2022	ND	2.16	108	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.03	101	2.00	1.80	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.16	103	6.00	2.38	
Total BTX	<0.300	0.300	10/31/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 3 (2.5') (H225101-03)**

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	10/31/2022	ND	1.97	98.4	2.00	1.70		
Toluene*	<0.050	0.050	10/31/2022	ND	2.16	108	2.00	1.45		
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.03	101	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.16	103	6.00	2.38		
Total BTEx	<0.300	0.300	10/31/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

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	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 87.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 4 (2.5') (H225101-04)**

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	10/31/2022	ND	1.97	98.4	2.00	1.70	
Toluene*	<0.050	0.050	10/31/2022	ND	2.16	108	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.03	101	2.00	1.80	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.16	103	6.00	2.38	
Total BTX	<0.300	0.300	10/31/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

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	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 5 (2.5') (H225101-05)**

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	10/31/2022	ND	1.97	98.4	2.00	1.70	
Toluene*	<0.050	0.050	10/31/2022	ND	2.16	108	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.03	101	2.00	1.80	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.16	103	6.00	2.38	
Total BTX	<0.300	0.300	10/31/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 89.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 6 (2.5') (H225101-06)**

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	10/31/2022	ND	1.97	98.4	2.00	1.70	
Toluene*	<0.050	0.050	10/31/2022	ND	2.16	108	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.03	101	2.00	1.80	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.16	103	6.00	2.38	
Total BTX	<0.300	0.300	10/31/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 7 (2.5') (H225101-07)**

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	10/31/2022	ND	1.97	98.4	2.00	1.70	
Toluene*	<0.050	0.050	10/31/2022	ND	2.16	108	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.03	101	2.00	1.80	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.16	103	6.00	2.38	
Total BTX	<0.300	0.300	10/31/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 92.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 8 (2.5') (H225101-08)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

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	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 92.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 9 (2.5') (H225101-09)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 92.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 10 (2.5') (H225101-10)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 90.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 11 (2.5') (H225101-11)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 12 (2.5') (H225101-12)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 13 (1.5') (H225101-13)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 92.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 14 (1.5') (H225101-14)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

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	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 15 (1.5') (H225101-15)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

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	10/31/2022	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	10/29/2022	ND	219	110	200	0.233	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	228	114	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 89.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 16 (1.5') (H225101-16)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 130 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 17 (1.5') (H225101-17)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 18 (1.5') (H225101-18)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 19 (1.5') (H225101-19)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 128 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 20 (1.5') (H225101-20)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 21 (1.5') (H225101-21)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 22 (1.5') (H225101-22)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23	
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73	
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80	
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03	
Total BTEx	<0.300	0.300	11/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 96.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 23 (1.5') (H225101-23)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 134 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 24 (1.5') (H225101-24)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 25 (1.5') (H225101-25)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23	
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73	
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80	
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03	
Total BTEX	<0.300	0.300	11/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 26 (1.5') (H225101-26)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 27 (1.5') (H225101-27)**

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	11/01/2022	ND	1.92	96.1	2.00	5.23		
Toluene*	<0.050	0.050	11/01/2022	ND	2.11	105	2.00	4.73		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	1.98	98.8	2.00	4.80		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	5.95	99.2	6.00	5.03		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

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	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 28 (1.5') (H225101-28)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 29 (1.5') (H225101-29)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTX	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 122 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 30 (1.5') (H225101-30)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

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	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 99.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 31 (1.5') (H225101-31)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 32 (1.5') (H225101-32)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTX	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 33 (1.5') (H225101-33)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 120 % 45.3-161

Surrogate: 1-Chlorooctadecane 148 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 34 (1.5') (H225101-34)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTEX	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 122 % 45.3-161

Surrogate: 1-Chlorooctadecane 149 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 35 (1.5') (H225101-35)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

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	10/31/2022	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	10/29/2022	ND	207	103	200	2.98	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 128 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 36 (1.5') (H225101-36)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTX	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 37 (1.5') (H225101-37)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 38 (1.5') (H225101-38)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTX	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 39 (1.5') (H225101-39)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTX	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 93.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 40 (1.5') (H225101-40)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 96.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 41 (1.5') (H225101-41)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTX	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 42 (1.5') (H225101-42)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTX	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 43 (1.5') (H225101-43)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 112 % 45.3-161

Surrogate: 1-Chlorooctadecane 130 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
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 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 44 (1.5') (H225101-44)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 45 (1.5') (H225101-45)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTX	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 46 (1.5') (H225101-46)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 47 (1.5') (H225101-47)**

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	11/01/2022	ND	1.87	93.4	2.00	6.30		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	5.45		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.06	103	2.00	4.17		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.24	104	6.00	4.46		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 48 (1.5') (H225101-48)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240	QM-07	
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58		
Total BTX	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 49 (1.5') (H225101-49)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240	
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41	
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04	
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58	
Total BTEx	<0.300	0.300	11/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/31/2022	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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 50 (1.5') (H225101-50)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	ND	400	100	400	7.69		

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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 51 (1.5') (H225101-51)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	ND	400	100	400	7.69		

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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 52 (1.5') (H225101-52)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	ND	400	100	400	7.69		

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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 1 (2.5') (H225101-53)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58		
Total BTEX	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	10/31/2022	ND	400	100	400	7.69		

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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 127 % 45.3-161

Surrogate: 1-Chlorooctadecane 145 % 46.3-178

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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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 2 (2.5') (H225101-54)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240	
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41	
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04	
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58	
Total BTX	<0.300	0.300	11/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	ND	400	100	400	7.69	

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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 3 (2.5') (H225101-55)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/31/2022	ND	400	100	400	7.69		

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	10/29/2022	ND	185	92.3	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	188	93.9	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 4 (1') (H225101-56)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	10/31/2022	ND	400	100	400	7.69		

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	10/29/2022	ND	187	93.7	200	8.88	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	180	89.8	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 139 % 45.3-161

Surrogate: 1-Chlorooctadecane 158 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 5 (1.5') (H225101-57)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/31/2022	ND	400	100	400	7.69	

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	10/29/2022	ND	187	93.7	200	8.88	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	180	89.8	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 113 % 45.3-161

Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 6 (1.5') (H225101-58)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	ND	400	100	400	7.69		

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	10/29/2022	ND	187	93.7	200	8.88	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	180	89.8	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 115 % 45.3-161

Surrogate: 1-Chlorooctadecane 126 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 7 (1.5') (H225101-59)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/31/2022	ND	400	100	400	7.69		

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	10/29/2022	ND	187	93.7	200	8.88	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	180	89.8	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 113 % 45.3-161

Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 8 (1.5') (H225101-60)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240	
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41	
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04	
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58	
Total BTX	<0.300	0.300	11/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/31/2022	ND	400	100	400	7.69	

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	10/29/2022	ND	187	93.7	200	8.88	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	180	89.8	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 117 % 45.3-161

Surrogate: 1-Chlorooctadecane 131 % 46.3-178

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 10/28/2022  
 Reported: 11/02/2022  
 Project Name: JACKELOPE 24 FEDERAL TB  
 Project Number: 1150  
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 9 (1.5') (H225101-61)**

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	11/01/2022	ND	1.84	91.9	2.00	0.240		
Toluene*	<0.050	0.050	11/01/2022	ND	2.17	109	2.00	1.41		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.10	105	2.00	1.04		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.39	107	6.00	1.58		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500CI-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	10/31/2022	ND	400	100	400	7.69		

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	10/29/2022	ND	187	93.7	200	8.88	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	180	89.8	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 128 % 45.3-161

Surrogate: 1-Chlorooctadecane 145 % 46.3-178

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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C 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: H225101

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

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

Project Name:	Jacketlope 24 Federal TB	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes			
Project Number:	1150	Due Date:	24Hrs															None: NO	DI Water: H <sub>2</sub> O		
Project Location:	Lee County, NM																	Cool: Cool	MeOH: Me		
Sampler's Name:	MPM																	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												H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	N/A	Temperature Reading:	4.22													NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	3.62													Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													Zn Acetate+NaOH: Zn							
Total Containers:														NaOH+Ascorbic Acid: SAPC							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
CS-1 (2.5')	10/28/2022		X		C	1	X	X	X	X	X	X	X	X	X	X					
CS-2 (2.5')	10/28/2022		X		C	1	X	X	X	X	X	X	X	X	X	X					
CS-3 (2.5')	10/28/2022		X		C	1	X	X	X	X	X	X	X	X	X	X					
CS-4 (2.5')	10/28/2022		X		C	1	X	X	X	X	X	X	X	X	X	X					
CS-5 (2.5')	10/28/2022		X		C	1	X	X	X	X	X	X	X	X	X	X					
CS-6 (2.5')	10/28/2022		X		C	1	X	X	X	X	X	X	X	X	X	X					
CS-7 (2.5')	10/28/2022		X		C	1	X	X	X	X	X	X	X	X	X	X					
CS-8 (2.5')	10/28/2022		X		C	1	X	X	X	X	X	X	X	X	X	X					
CS-9 (2.5')	10/28/2022		X		C	1	X	X	X	X	X	X	X	X	X	X					
CS-10 (2.5')	10/28/2022		X		C	1	X	X	X	X	X	X	X	X	X	X					

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Michael Moehring</u>	10-28-22 1342	<u>James Kennedy</u>	



# Chain of Custody

Work Order No: HA25106

Page 2 of 1

Project Manager:	Comer Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> 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:	Jackelope 24 Federal TB	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	1150	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None: NO	DI Water: H <sub>2</sub> O
Project Location:	Lea County, NM	Due Date:	24Hrs													Cool: Cool	MeOH: Me
Sampler's Name:	MPM		24 Hours													HCL: HC	HNO <sub>3</sub> : HN
PO #:																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
<b>SAMPLE RECEIPT</b>				<b>Parameters</b>												H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	BTEX 8021B												NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Correction Factor:		TPH 8015M ( GRO + DRO + MRO)												Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>	
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Temperature Reading:		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-11 (2.5)	10/28/2022		X		C	1	X	X	X								
CS-12 (2.5)	10/28/2022		X		C	1	X	X	X								
CS-13 (1.5)	10/28/2022		X		C	1	X	X	X								
CS-14 (1.5)	10/28/2022		X		C	1	X	X	X								
CS-15 (1.5)	10/28/2022		X		C	1	X	X	X								
CS-16 (1.5)	10/28/2022		X		C	1	X	X	X								
CS-17 (1.5)	10/28/2022		X		C	1	X	X	X								
CS-18 (1.5)	10/28/2022		X		C	1	X	X	X								
CS-19 (1.5)	10/28/2022		X		C	1	X	X	X								
CS-20 (1.5)	10/28/2022		X		C	1	X	X	X								

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Comer Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Michael McEwen</i>	10-28-22 1342	<i>Guillermo Velazquez</i>	



Chain of Custody

Work Order No: H22510

Page 3 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> 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:	Jackelope 24 Federal TB	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes					
Project Number:	1150	Due Date:	24Hrs												None: NO	DI Water: H <sub>2</sub> O				
Project Location:	Lea County, NM														Cool: Cool	MeOH: Me				
Sampler's Name:	MPM		24 Hours												HCL: HC	HNO <sub>3</sub> : HN				
PO #:															H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na				
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters										H <sub>3</sub> PO <sub>4</sub> : HP
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																			NaHSO <sub>4</sub> : NABIS
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A																			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																			Zn Acetate+NaOH: Zn
Total Containers:																				NaOH+Ascorbic Acid: SAPC
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments			
CS-21 (1.5')	10/28/2022		X		C	1	X	X	X											
CS-22 (1.5')	10/28/2022		X		C	1	X	X	X											
CS-23 (1.5')	10/28/2022		X		C	1	X	X	X											
CS-24 (1.5')	10/28/2022		X		C	1	X	X	X											
CS-25 (1.5')	10/28/2022		X		C	1	X	X	X											
CS-26 (1.5')	10/28/2022		X		C	1	X	X	X											
CS-27 (1.5')	10/28/2022		X		C	2	X	X	X											
CS-28 (1.5')	10/28/2022		X		C	3	X	X	X											
CS-29 (1.5')	10/28/2022		X		C	4	X	X	X											
CS-30 (1.5')	10/28/2022		X		C	5	X	X	X											

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Howard White</u>	10-28-2023 4:32	<u>James Kennedy</u>	



Chain of Custody

Work Order No: 1422510

Page 4 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	State of Project:
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> UST/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:		Jackelope 24 Federal TB		Turn Around			Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	1150	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Due Date:	24Hrs	None: NO		DI Water: H <sub>2</sub> O													
Project Location:	Lea County, NM					Cool: Cool	MeOH: Me														
Sampler's Name:	MPM					HCL: HC	HNO <sub>3</sub> : HN														
PO #:			24 Hours			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 checked="" type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID:																NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	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-31 (1.5')		10/28/2022		X		C	1	X	X	X											
CS-32 (1.5')		10/28/2022		X		C	1	X	X	X											
CS-33 (1.5')		10/28/2022		X		C	1	X	X	X											
CS-34 (1.5')		10/28/2022		X		C	1	X	X	X											
CS-35 (1.5')		10/28/2022		X		C	1	X	X	X											
CS-36 (1.5')		10/28/2022		X		C	1	X	X	X											
CS-37 (1.5')		10/28/2022		X		C	2	X	X	X											
CS-38 (1.5')		10/28/2022		X		C	3	X	X	X											
CS-39 (1.5')		10/28/2022		X		C	4	X	X	X											
CS-40 (1.5')		10/28/2022		X		C	5	X	X	X											

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	10-28-22 1:34:22	<i>James Kennedy</i>	



Chain of Custody

Work Order No: 14225101

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Deepfund
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
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:		Jackelope 24 Federal TB		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	1150	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush																None: NO	DI Water: H <sub>2</sub> O
Project Location	Lea County, NM	Due Date:	24Hrs															Cool: Cool	MeOH: Me	
Sampler's Name:	MPM																	HCL: HC	HNO <sub>3</sub> : HN	
PO #:			24 Hours														H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No	Parameters								H <sub>3</sub> PO <sub>4</sub> : HP				
Received Intact:	Yes	No	Thermometer ID:					BTX 8021B								NaHSO <sub>4</sub> : NABIS				
Cooler Custody Seals:	Yes	No	Correction Factor:					TPH 8015M ( GRO + DRO + MRO)								Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>				
Sample Custody Seals:	Yes	No	Temperature Reading:					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-41 (1.5')		10/28/2022		X		C	1	X	X	X										
CS-42 (1.5')		10/28/2022		X		C	1	X	X	X										
CS-43 (1.5')		10/28/2022		X		C	1	X	X	X										
CS-44 (1.5')		10/28/2022		X		C	1	X	X	X										
CS-45 (1.5')		10/28/2022		X		C	1	X	X	X										
CS-46 (1.5')		10/28/2022		X		C	1	X	X	X										
CS-47 (1.5')		10/28/2022		X		C	2	X	X	X										
CS-48 (1.5')		10/28/2022		X		C	3	X	X	X										
CS-49 (1.5')		10/28/2022		X		C	4	X	X	X										
CS-50 (1.5')		10/28/2022		X		C	5	X	X	X										

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10-28-22 1342		



# Chain of Custody

Work Order No: HA25161

Page 6 of 7

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

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

Project Name:		Jackelope 24 Federal TB		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	1150	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Due Date:	24Hrs		None: NO	DI Water: H <sub>2</sub> O												
Project Location:	Lea County, NM					Cool: Cool	MeOH: Me													
Sampler's Name:	MPM					HCL: HC	HNO <sub>3</sub> : HN													
PO #:			24 Hours			H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na													
SAMPLE RECEIPT	Temp Blank:	Yes	No	Yes	No	H <sub>3</sub> PO <sub>4</sub> : HP														
	Received Intact:	Yes	No	Thermometer ID:		NaHSO <sub>4</sub> : NABIS														
	Cooler Custody Seals:	Yes	No	Correction Factor:		Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>														
	Sample Custody Seals:	Yes	No	Temperature Reading:		Zn Acetate+NaOH: Zn														
	Total Containers:			Corrected Temperature:		NaOH+Ascorbic Acid: SAPC														
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
CS-51 (1.5')		10/28/2022		X		C	1	X	X	X										
CS-52 (1.5')		10/28/2022		X		C	1	X	X	X										
SW-1 (2.5')		10/28/2022		X		C	1	X	X	X										
SW-2 (2.5')		10/28/2022		X		C	1	X	X	X										
SW-3 (2.5')		10/28/2022		X		C	1	X	X	X										
SW-4 (1')		10/28/2022		X		C	1	X	X	X										
SW-5 (1.5')		10/28/2022		X		C	2	X	X	X										
SW-6 (1.5')		10/28/2022		X		C	3	X	X	X										
SW-7 (1.5')		10/28/2022		X		C	4	X	X	X										
SW-8 (1.5')		10/28/2022		X		C	5	X	X	X										

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>James Kennedy</i>	10-28-22 1342	<i>James Kennedy</i>	



Work Order No: A22510

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

[illegible]

Date/Time

Received by (Signature)

**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 172492

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 172492
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/26/2023