



## SITE INFORMATION

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**Deferral Report**  
**Scoter 6-31 Federal Com 7H, 43H, 44H Battery (05.24.2020 & 12.26.2024)**  
**Incident ID: NRM2015743815 (2020) & NAPP2436140206 (2024)**  
**Eddy County, New Mexico**  
**Unit O Sec 06 T25S R27E**  
**32.15547°, -104.22794°**

**NRM2015743815**

**Point of Release: 2" to 1" reducer on top of the discharge side of a transfer pump had broken at the 1" thread.**

**Release Date: 05.24.2020**  
**Volume Released: 85 Barrels of Produced Water**  
**Volume Recovered: 1 Barrel of Produced Water**

**CARMONA RESOURCES**



**NAPP2436140206**

**Point of Release: Equipment failure to pump**  
**Release Date: 12.26.2024**  
**Volume Released: 44 Barrels of Produced Water**  
**Volume Recovered: 40 Barrels of Produced Water**

**Prepared for:**  
**Cimarex Energy Co.**  
**6001 Deauville Blvd.**  
**Suite 300N**  
**Midland, Texas 79706**

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

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432.813.1992

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April 15, 2025

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

**Re: Deferral Report**  
**Scoter 6-31 Federal Com 7H, 43H, 44H Battery (05.24.2020 & 12.26.2024)**  
**Incident ID: NRM2015743815 (2020) & NAPP2436140206 (2024)**  
**Cimarex Energy Co.**  
**Site Location: Unit O, S06, T25S, R27E**  
**(Lat 32.15547°, Long -104.22794°)**  
**Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Cimarex Energy Co. (Cimarex), Carmona Resources, LLC has prepared this letter to document site assessment and remediation activities for the Scoter 6-31 Federal Com 7H, 43H, 44H Battery release(s). The site is located at 32.15547°, -104.22794° within Unit O, S06, T25S, R27E, in Eddy County, New Mexico (Figures 1 and 2).

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

#### **NRM2015743815**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered May 24, 2020, due to a 2" to 1" reducer on top of the discharge side of a transfer pump breaking at the 1" thread. It resulted in approximately eighty-five (85) barrels of produced water to be released with approximately one (1) barrel of produced water recovered.

#### **NAPP2436140206**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered December 26, 2024, due to equipment failure at the pump. It resulted in approximately forty-four (44) barrels of produced water to be released with approximately forty (40) barrels of produced water recovered. The spill boundaries are 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 high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest groundwater determination bore (GWDB) is located approximately 0.04 miles West of the site in S06, T25S, 274E and was drilled in 2023. The GWDB was drilled to a depth of 60 feet below ground surface (ft bgs). A copy of the summary report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

- Benzene: 10 milligrams per kilogram (mg/kg).



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

#### **4.0 Site Assessment Activities**

##### **Initial Assessment**

On February 5, 2025, a third-party environmental consultant performed site assessment activities to evaluate soil impacts stemming from the release. A total of six (6) borehole samples (BH-1 through BH-6) were installed to total depths ranging from surface to 4.0' bgs inside the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Labs 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.

##### **Vertical Delineation**

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

Following site assessment activities, a subsequent remediation work plan was created and submitted to the NMOCD web portal on February 24, 2025. The work plan mentions deferring certain areas around the infrastructure that would cause major facility deconstruction. The following section goes in further detail regarding the areas of deferral. All deferred areas can be seen in the form of confirmation sidewall samples shown in Table 2 and Figures 4A through 4E.

#### **5.0 Remediation Activities**

Between March 24, 2025, and April 9, 2025, Carmona Resources and H&R Enterprises 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 NMOCD portal on March 27, 2025 and April 7, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of BH-1 through BH-4, BH-6 were excavated to a depth of 2.0' - 2.25' bgs. The area of BH-5 was excavated to a depth of 4.0' - 4.25' bgs. A total of thirty-nine (39) confirmation floor samples were collected (CS-1 through CS-39), and thirty-six (36) sidewall samples (SW-1 through SW-36) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0/4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4A through 4E.

##### **Deferment Area**

A 1'-2' buffer zone on each side of Cimarex's containment walls of the CTB will be deferred per 19.15.29.12.C.2 NMAC. To remove all contaminated material, major facility deconstruction would have to take place. Removing soil within that buffer zone could potentially cause structural instability and might result in additional releases in the future as backfill material can shift and settle overtime. The deferred areas are defined by the following composite confirmation sidewall samples: (SW-5 through SW-22, SW-24 through SW-26, SW-29). Approximately 4,600 square feet, 425 cubic yards of contamination was left in place under the tank battery. Refer to Table 2, Figure 4A through 4D, and Figure 5.





Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 7,740 square feet of contamination was remediated, resulting in 650 cubic yards of material excavated and transported offsite for proper disposal. Backfill operations were completed on April 15, 2025. The backfill material was sources from Lea Land Disposal and was collected for laboratory analysis on April 1, 2025, before being utilized. Laboratory data can be found in Table 2.

### **6.0 Conclusions**

Based on the area, safety and active facility equipment, Cimarex requests to defer the chloride impact surrounding the containment wall of the CTB. The site has been fully delineated, by way of confirmation sidewall samples during confirmation sampling, to satisfy the requirements of 19.15.29.12.C.2 NMAC. Remediation of the deferred area will be completed during plugging and abandonment activities or when equipment is removed, whichever comes first. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

Ashton Thielke  
Environmental Manager

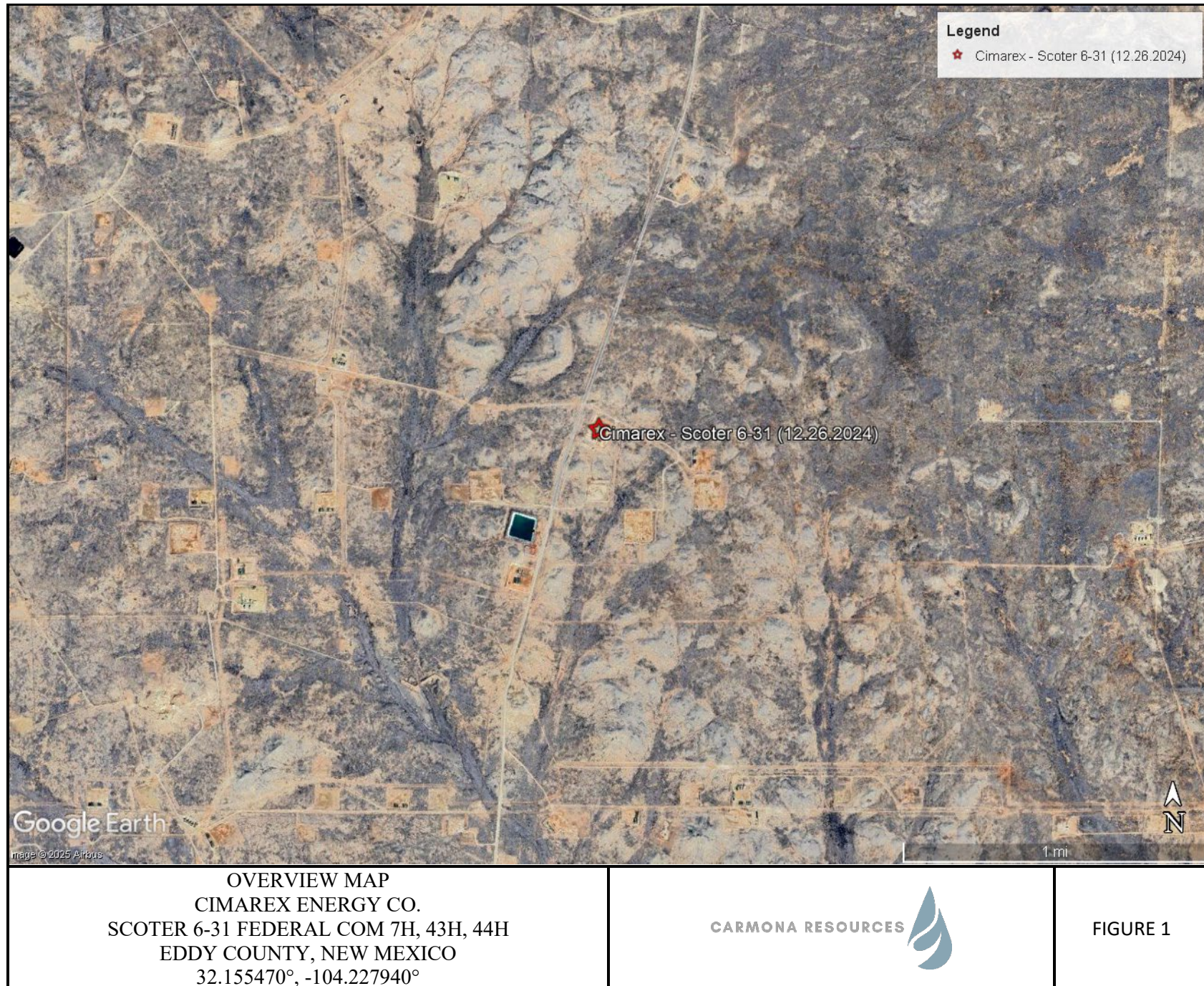
Gilbert Priego  
Project Manager

## FIGURES

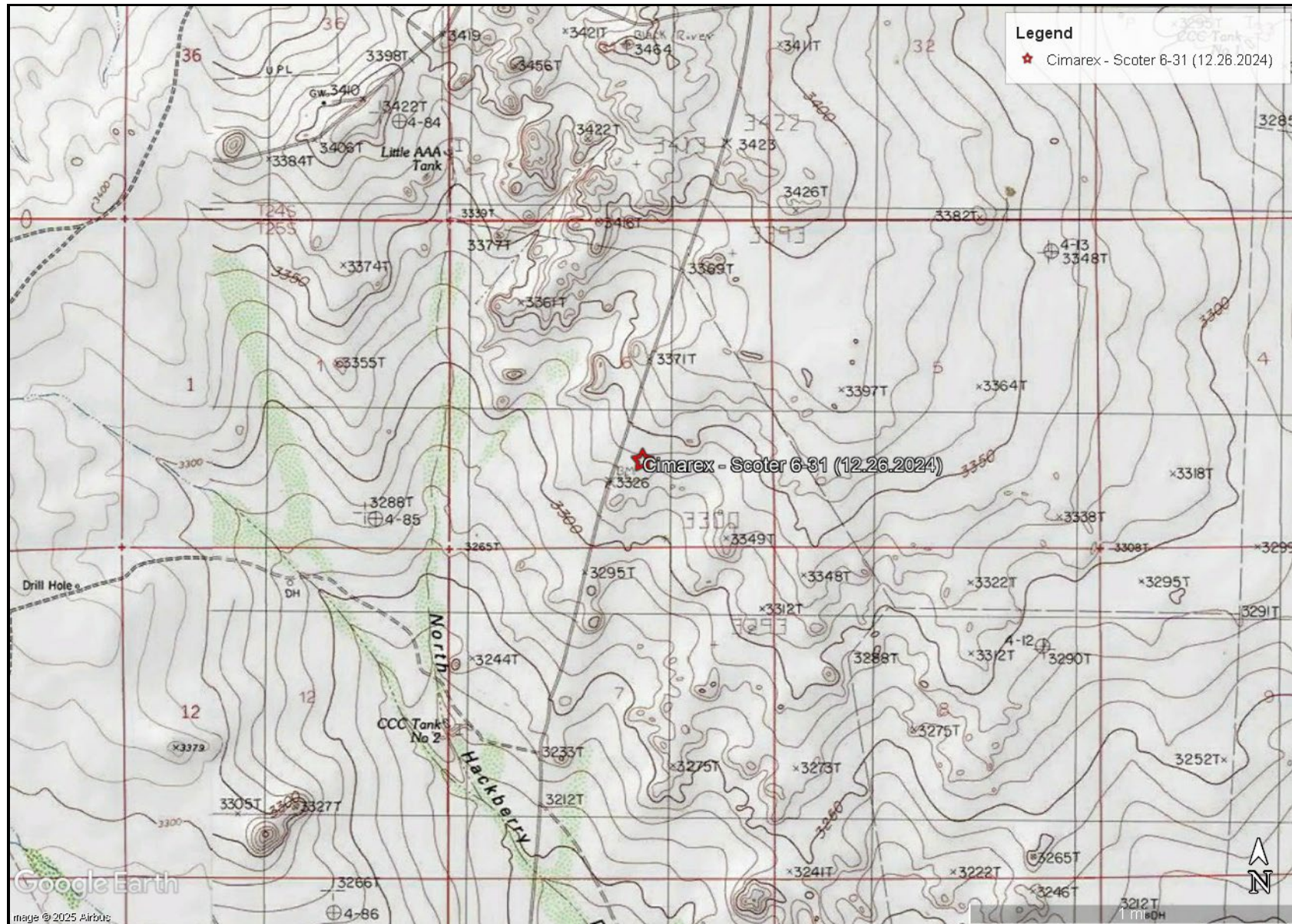
CARMONA RESOURCES











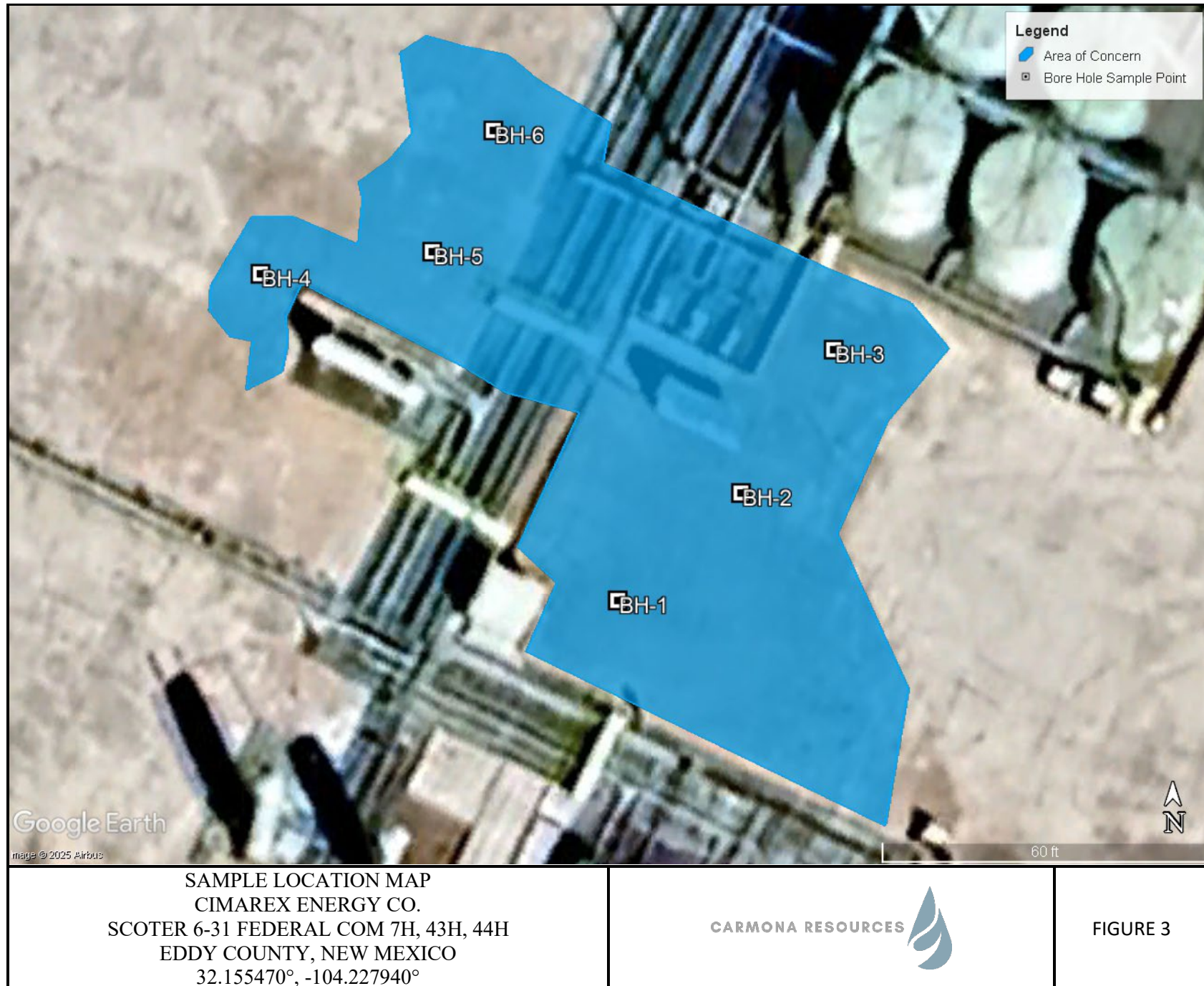
TOPOGRAPHIC MAP  
CIMAREX ENERGY CO.  
SCOTER 6-31 FEDERAL COM 7H, 43H, 44H  
EDDY COUNTY, NEW MEXICO  
32.155470°, -104.227940°

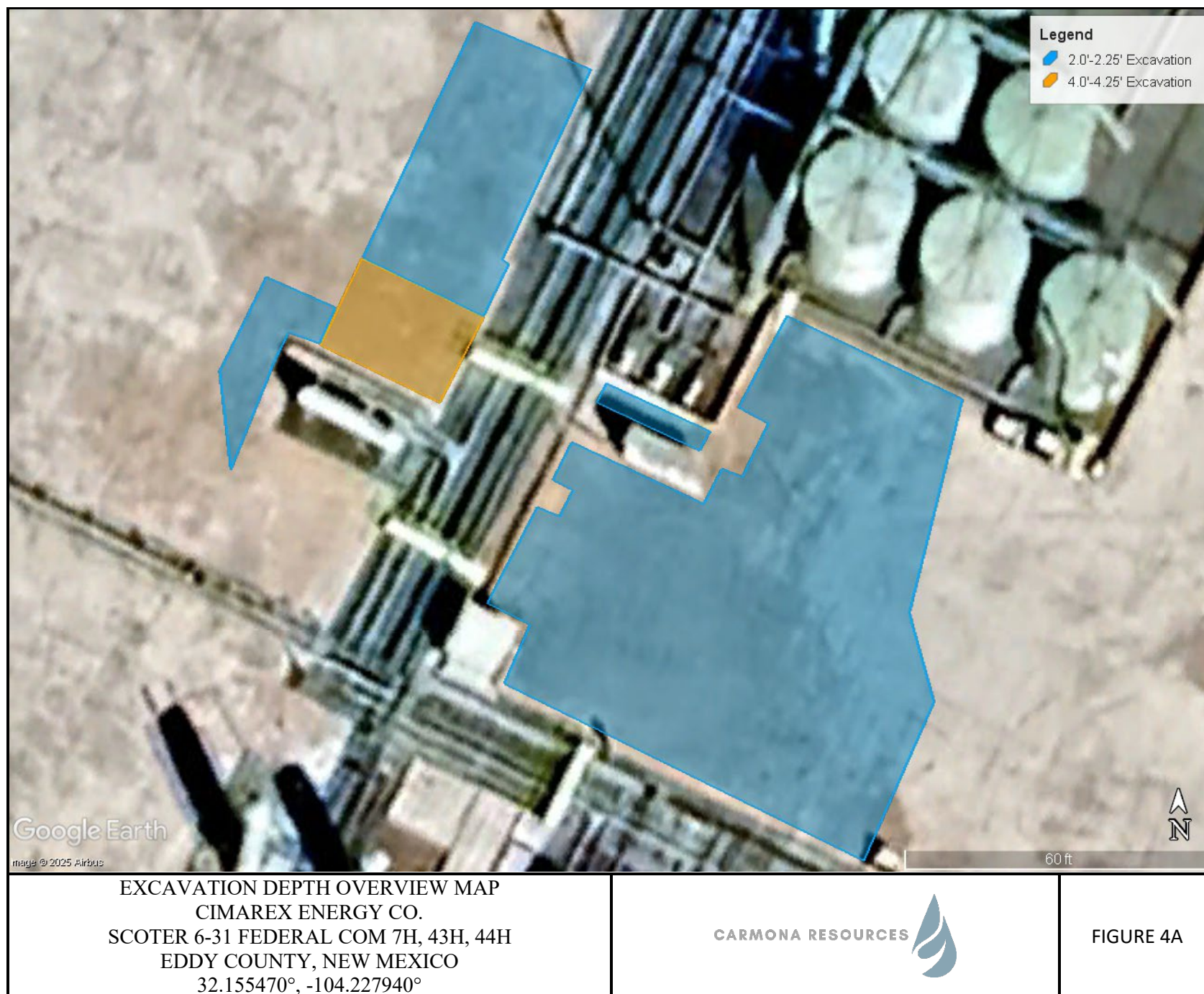
CARMONA RESOURCES



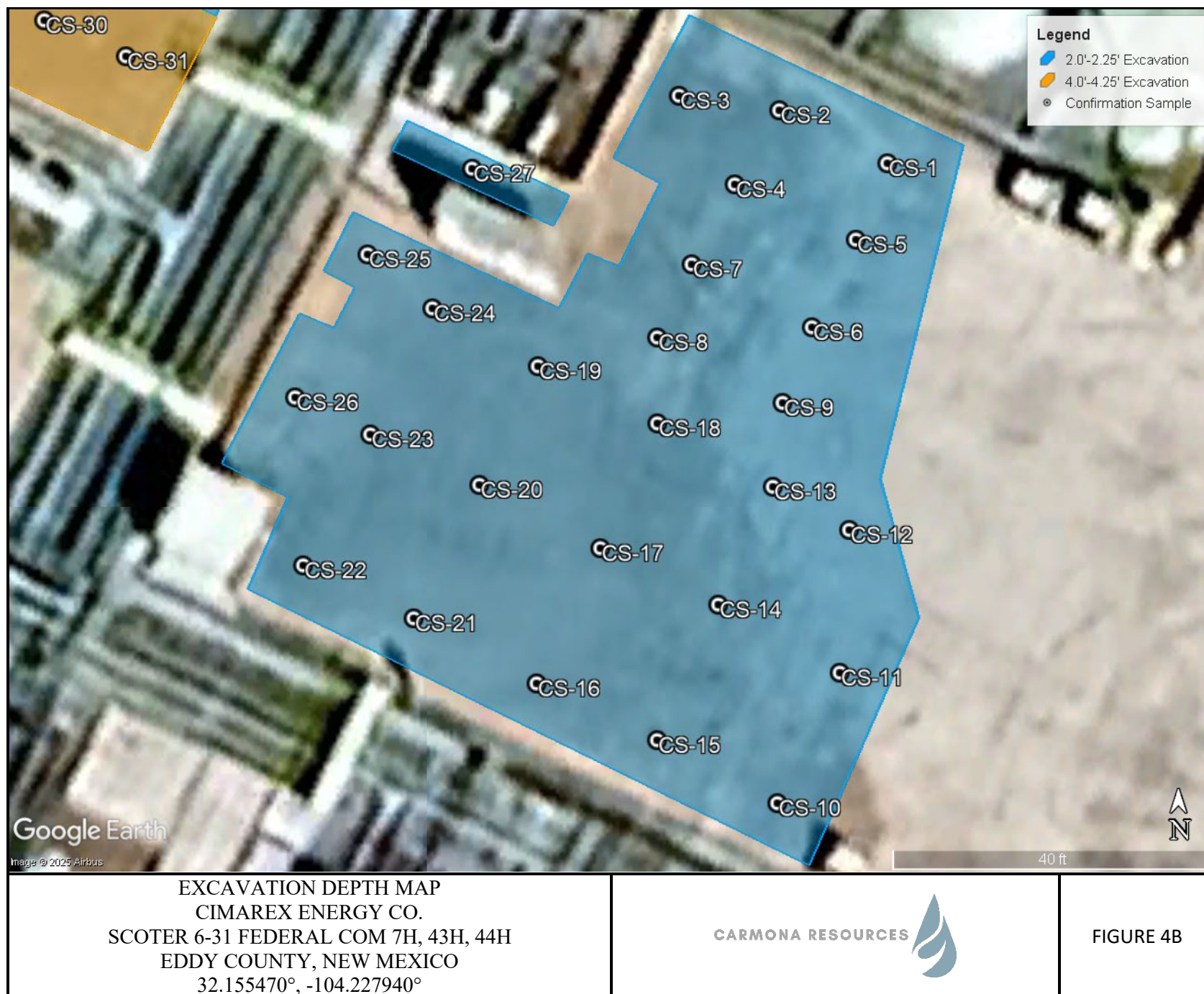
FIGURE 2

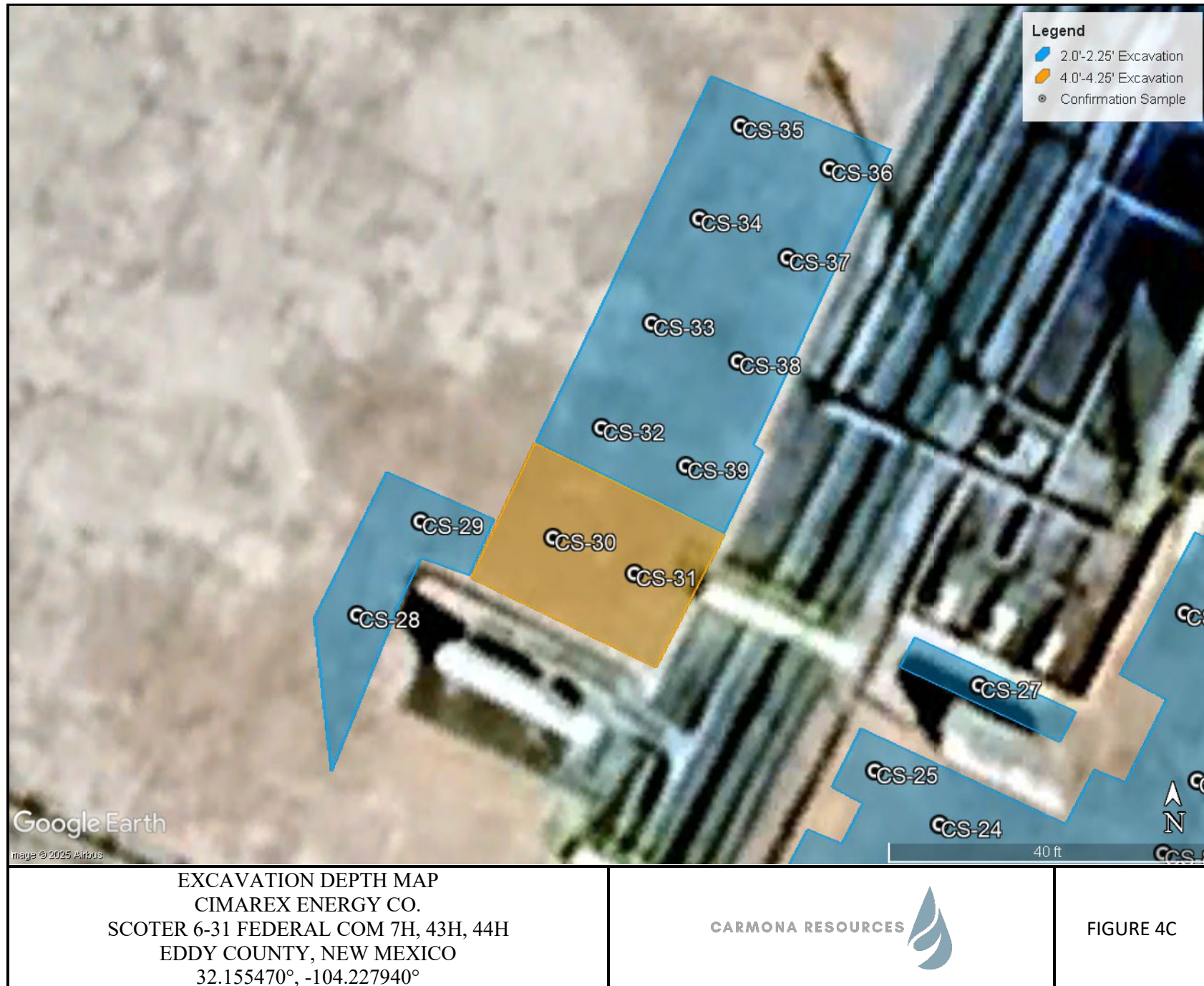




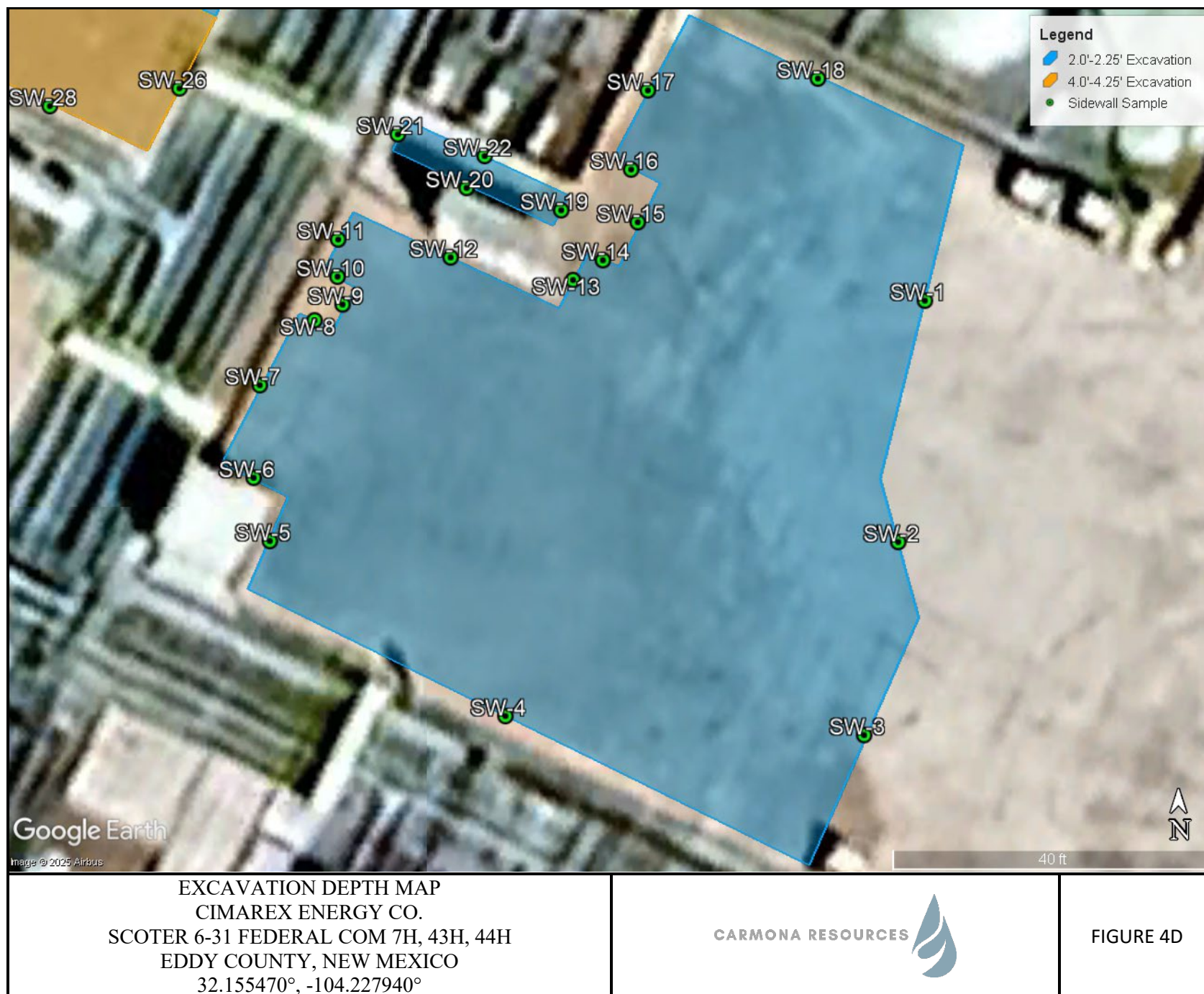


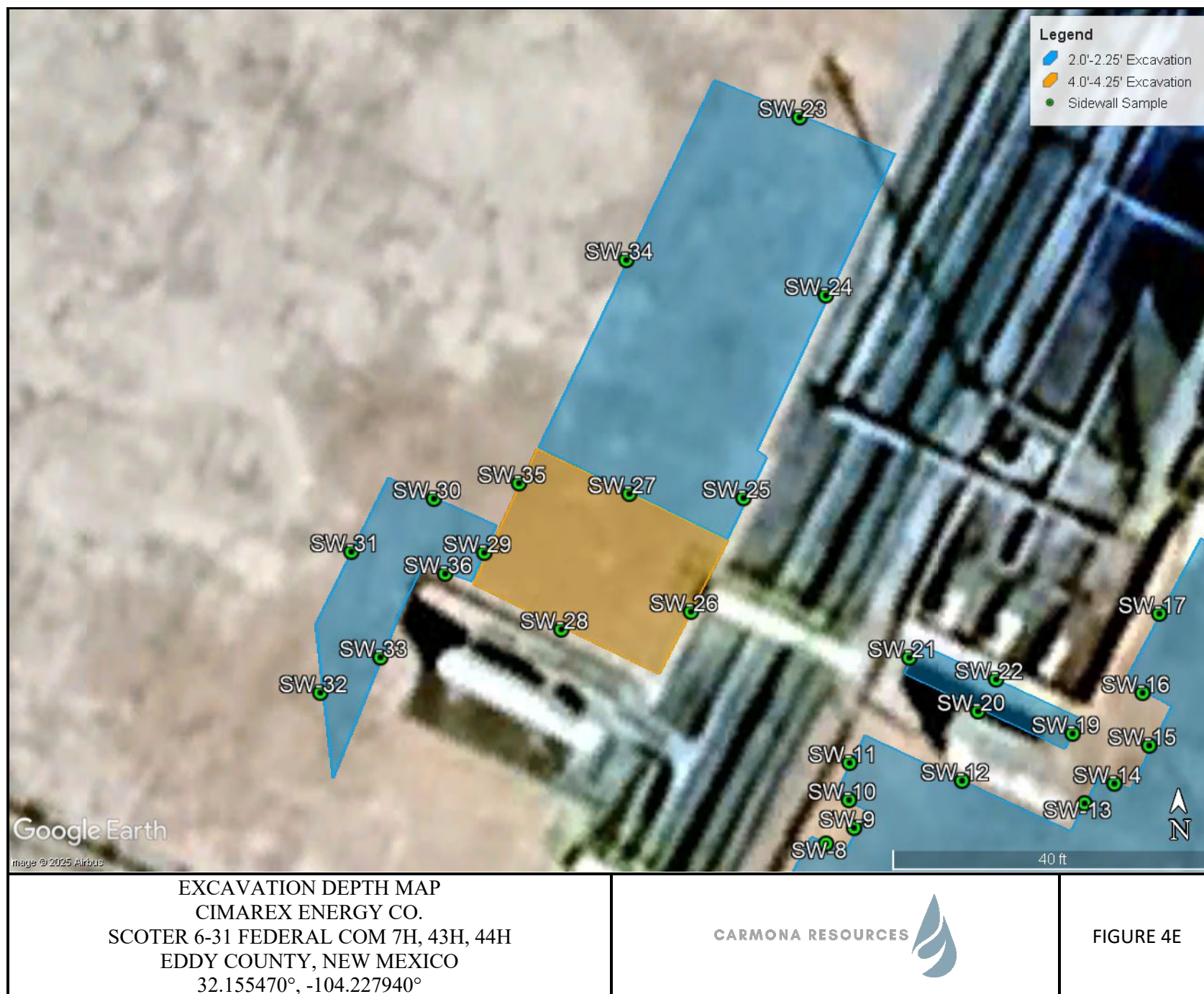




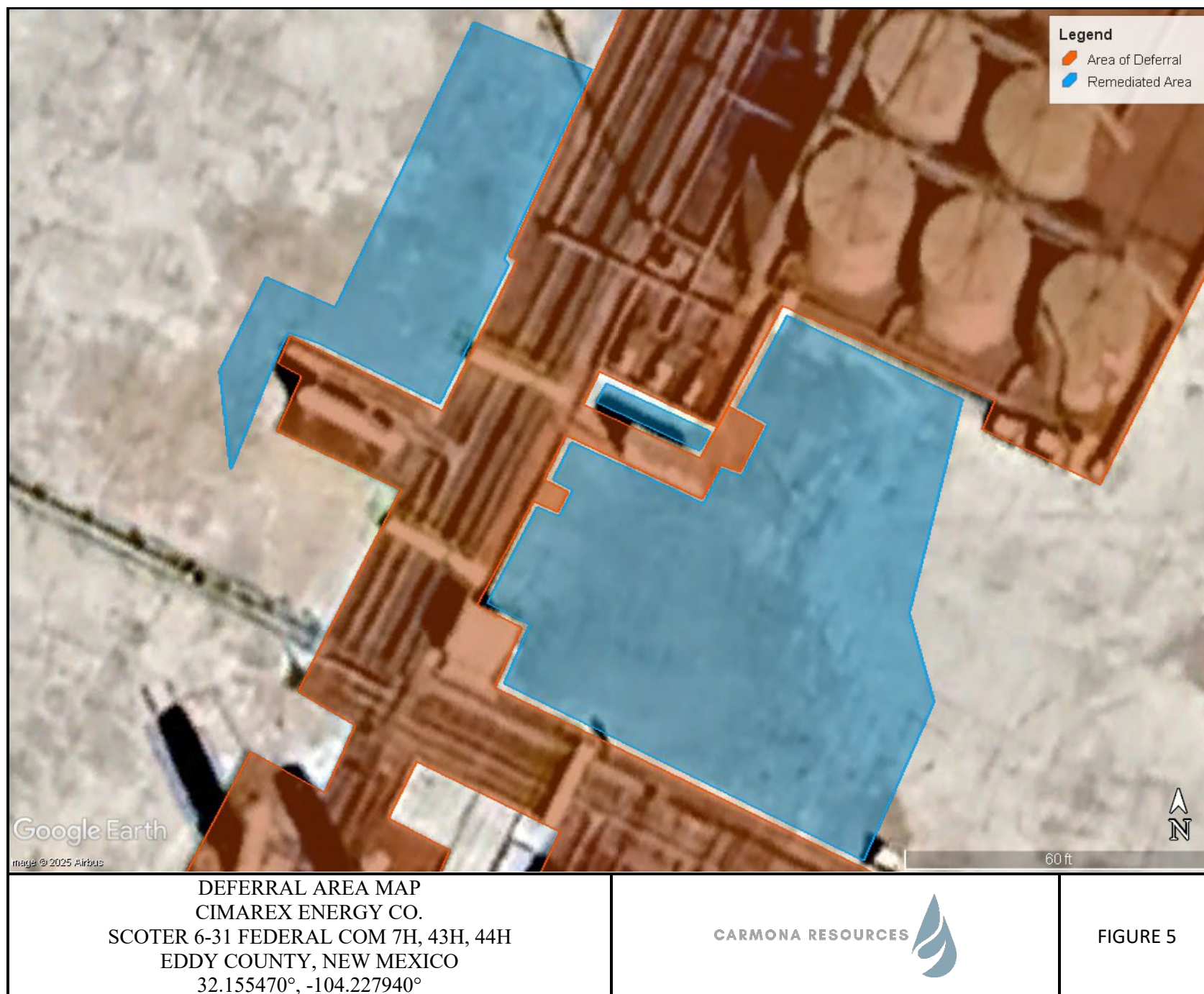













## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**Cimarex Energy Co.**  
**Scoter 6-31 Federal Com 7H, 43H, 44H Battery (05.24.2020 & 12.26.2024)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>BH-1</b>	2/5/2025	0-1'	<10.0	<b>174</b>	24.9	<b>199</b>	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,810</b>
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
<b>BH-2</b>	2/5/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>3,320</b>
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48
<b>BH-3</b>	2/5/2025	0-1'	<10.0	14.6	<10.0	14.6	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,540</b>
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
<b>BH-4</b>	2/5/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>2,280</b>
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48
<b>BH-5</b>	2/5/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>2,280</b>
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>928</b>
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,020</b>
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
<b>BH-6</b>	2/5/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,740</b>
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
<b>Regulatory Criteria<sup>A</sup></b>							<b>100 mg/kg</b>	<b>10 mg/kg</b>			<b>50 mg/kg</b>	<b>600 mg/kg</b>

<sup>A</sup> – Table 1 - 19.15.29 NMAC  
mg/kg - milligram per kilogram  
TPH - Total Petroleum Hydrocarbons  
ft - feet  
(BH) - Borehole Sample  
 Removed

**Table 2**  
**Cimarex Energy Co.**  
**Scoter 6-31 Federal Com 7H, 43H, 44H Battery (05.24.2020 & 12.26.2024)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>Backfill Sample</b>	4/1/2025	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
<b>CS-1</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
<b>CS-2</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
<b>CS-3</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,220</b>
	4/9/2025	2.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<b>CS-4</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
<b>CS-5</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<b>CS-6</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
<b>CS-7</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,220</b>
	4/9/2025	2.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>CS-8</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
<b>CS-9</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
<b>CS-10</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
<b>CS-11</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<b>CS-12</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
<b>CS-13</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
<b>CS-14</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
<b>CS-15</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
<b>CS-16</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
<b>CS-17</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
<b>CS-18</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
<b>CS-19</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>				<b>50 mg/kg</b>	<b>600 mg/kg</b>

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) - Confirmation Sample

Removed

**Table 2**  
**Cimarex Energy Co.**  
**Scoter 6-31 Federal Com 7H, 43H, 44H Battery (05.24.2020 & 12.26.2024)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-20	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-21	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-22	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-23	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-24	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-25	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-26	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-27	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-28	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-29	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-30	4/1/2025	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-31	4/1/2025	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	736
	4/9/2025	4.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-32	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	752
	4/9/2025	2.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-33	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
CS-34	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-35	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-36	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	512
CS-37	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-38	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
CS-39	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
Regulatory Criteria <sup>A</sup>							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg


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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons


ft - feet

(CS) - Confirmation Sample

 Removed

**Table 2**  
**Cimarex Energy Co.**  
**Scoter 6-31 Federal Com 7H, 43H, 44H Battery (05.24.2020 & 12.26.2024)**  
**Eddy County, New Mexico**


Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>SW-1</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>SW-2</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
<b>SW-3</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
<b>SW-4</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
<b>SW-5</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>608</b>
<b>SW-6</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>2,960</b>
<b>SW-7</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>624</b>
<b>SW-8</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>3,200</b>
<b>SW-9</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>7,840</b>
<b>SW-10</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>12,200</b>
<b>SW-11</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>3,080</b>
<b>SW-12</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>7,860</b>
<b>SW-13</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>3,360</b>
<b>SW-14</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>19,500</b>
<b>SW-15</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>5,920</b>
<b>SW-16</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>26,400</b>
<b>SW-17</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>7,760</b>
<b>SW-18</b>	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>3,960</b>
<b>Regulatory Criteria<sup>A</sup></b>							<b>100 mg/kg</b>	<b>10 mg/kg</b>			<b>50 mg/kg</b>	<b>600 mg/kg</b>

<sup>A</sup> – Table 1 - 19.15.29 NMAC  
mg/kg - milligram per kilogram  
TPH - Total Petroleum Hydrocarbons  
ft - feet  
(SW) -Sidewall Sample  
 Deferral Area



**Table 2**  
**Cimarex Energy Co.**  
**Scoter 6-31 Federal Com 7H, 43H, 44H Battery (05.24.2020 & 12.26.2024)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-19	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,280
SW-20	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,840
SW-21	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,800
SW-22	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	17,400
SW-23	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
SW-24	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,040
SW-25	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,600
SW-26	4/1/2025	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,640
SW-27	4/1/2025	2.0'-4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
SW-28	4/1/2025	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	960
SW-29	4/1/2025	2.0'-4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
SW-30	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-31	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-32	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-33	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
SW-34	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
SW-35	4/1/2025	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-36	4/1/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	752
Regulatory Criteria <sup>A</sup>							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

<sup>A</sup> – Table 1 - 19.15.29 NMAC  
mg/kg - milligram per kilogram  
TPH - Total Petroleum Hydrocarbons  
ft - feet  
(SW) -Sidewall Sample  
 Deferral Area

## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

Cimarex Energy Co.

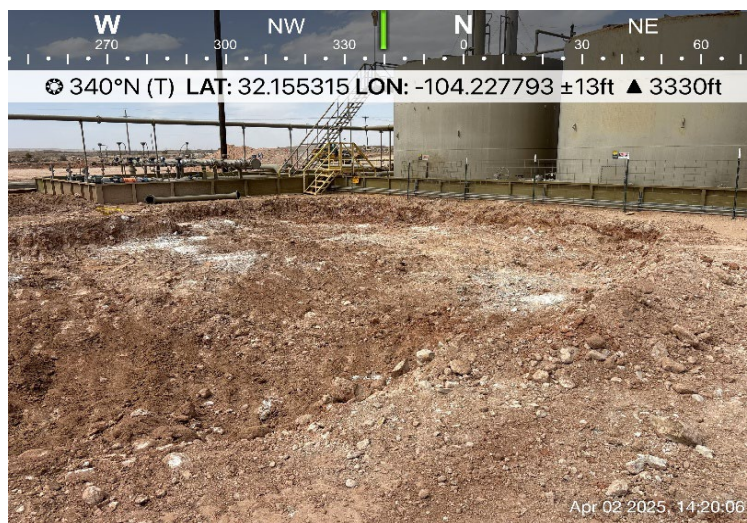
## Photograph No. 1

**Facility:** Scoter 6-31 Federal Com 7H, 43H, 44H Battery

**County:** Eddy County, New Mexico

**Description:**

View North, area of CS-1 through CS-9.



## Photograph No. 2

**Facility:** Scoter 6-31 Federal Com 7H, 43H, 44H Battery

**County:** Eddy County, New Mexico

**Description:**

View West, area of CS-10 through CS-26.



## Photograph No. 3

**Facility:** Scoter 6-31 Federal Com 7H, 43H, 44H Battery

**County:** Eddy County, New Mexico

**Description:**

View Northwest, area of CS-1 through CS-26.





# PHOTOGRAPHIC LOG

Cimarex Energy Co.

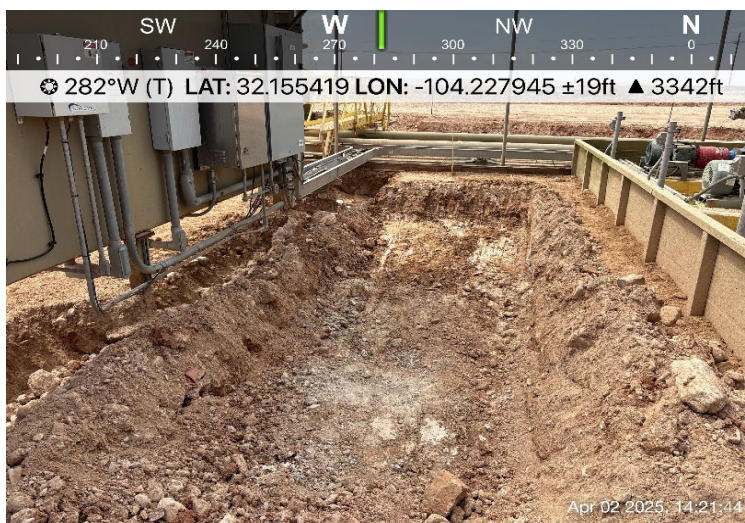
## Photograph No. 4

**Facility:** Scoter 6-31 Federal Com 7H, 43H,  
44H Battery

**County:** Eddy County, New Mexico

**Description:**

View West, area of CS-27.



## Photograph No. 5

**Facility:** Scoter 6-31 Federal Com 7H, 43H,  
44H Battery

**County:** Eddy County, New Mexico

**Description:**

View Northeast, area of CS-28 and CS-29.



## Photograph No. 6

**Facility:** Scoter 6-31 Federal Com 7H, 43H,  
44H Battery

**County:** Eddy County, New Mexico

**Description:**

View Northeast, area of CS-30 and CS-31.





# PHOTOGRAPHIC LOG

Cimarex Energy Co.

## Photograph No. 7

**Facility:** Scoter 6-31 Federal Com 7H, 43H,  
44H Battery

**County:** Eddy County, New Mexico

**Description:**

View North, area of CS-32 and CS-39.



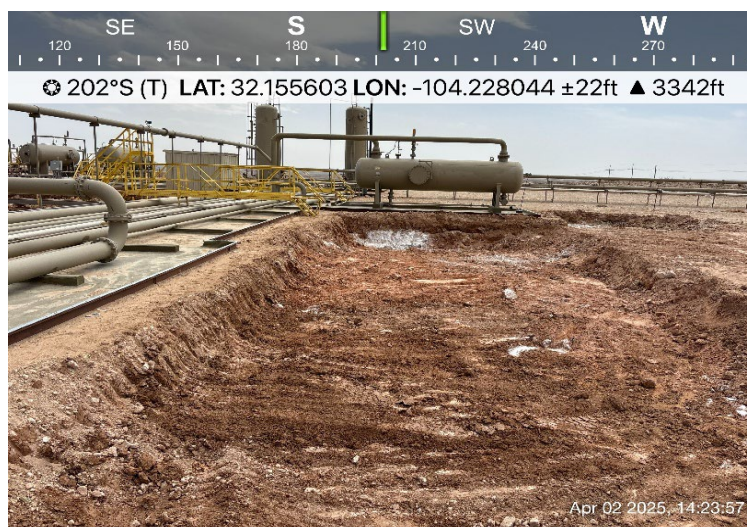
## Photograph No. 8

**Facility:** Scoter 6-31 Federal Com 7H, 43H,  
44H Battery

**County:** Eddy County, New Mexico

**Description:**

View South, area of CS-32 and CS-39.



## Photograph No. 9

**Facility:** Scoter 6-31 Federal Com 7H, 43H,  
44H Battery

**County:** Eddy County, New Mexico

**Description:**

View South of backfilled area.



## PHOTOGRAPHIC LOG

Cimarex Energy Co.

## Photograph No. 10

**Facility:** Scoter 6-31 Federal Com 7H, 43H,  
44H Battery

**County:** Eddy County, New Mexico

**Description:**  
View South of backfilled area.



## APPENDIX C

CARMONA RESOURCES



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

State of New Mexico  
Energy Minerals and Natural  
Resources 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	NRM2015743815
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party: Cimarex Energy Co.	OGRID: 215099
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: llug@cimarex.com	Incident # (assigned by OCD) nRM2015743815
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

### Location of Release Source

Latitude 32.155416 Longitude -104.227949  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Scoter 6-31 Federal Com 7H,43H,44H Battery	Site Type: Battery Pad
Date Release Discovered: 5/24/2020	API# (if applicable)

Unit Letter	Section	Township	Range	County
O	6	25S	27E	Eddy

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

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 85 bbls	Volume Recovered (bbls) 1 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Mechanical Failure

We found that the 2" X 1" reducer on top of the discharge side of the transfer pump had broken in the 1" thread. We determined the spilled volume to be 85 barrels of produced water and we recovered 1 barrel. We replaced the discharge piping on the pump with stainless steel and realigned the pump skid. We will work on a kill and alarm system to shut pumps down when there is a low discharge pressure reading. We used a hydrovac to remove impacted soil and will delineate the area and determine pathway forward.



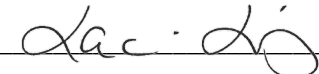
State of New Mexico  
Oil Conservation Division

Incident ID	NRM2015743815
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? The amount of the release is over 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By Gloria Garza To EMNRD OCD District 1 Spills, Jim Griswald and BLM CFO Spill By 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>Laci Luig</u>	Title: <u>Engineer Tech.</u>
Signature: <u></u>	Date: <u>6/8/2020</u>
email: <u>lluig@cimarex.com</u>	Telephone: <u>(432) 571-7810</u>
<b><u>OCD Only</u></b>	
Received by: <u>Ramona Marcus</u>	Date: <u>6/9/2020</u>

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 446622

**QUESTIONS**

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 446622
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nRM2015743815
Incident Name	NRM2015743815 SCOTER 6-31 FEDERAL COM 7H, 43H, 44H BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2127341529] SCOTER 6-31 FED COM

Location of Release Source	
Site Name	SCOTER 6-31 FEDERAL COM 7H, 43H, 44H BATTERY
Date Release Discovered	05/24/2020
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	7,880
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/01/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Sampling Event
Please provide any information necessary for navigation to sampling site	32.155850 -104.227707

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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 446622

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 446622
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
nrose	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/28/2025

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 449131

**QUESTIONS**

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 449131
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nRM2015743815
Incident Name	NRM2015743815 SCOTER 6-31 FEDERAL COM 7H, 43H, 44H BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2127341529] SCOTER 6-31 FED COM

Location of Release Source	
Site Name	SCOTER 6-31 FEDERAL COM 7H, 43H, 44H BATTERY
Date Release Discovered	05/24/2020
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	650
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/09/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	: Carmona Resources will be onsite to recollect 4 samples that exceeded remediation thresholds during the original confirmation sampling event.
Please provide any information necessary for navigation to sampling site	32.15547,-104.22794

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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 449131

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 449131
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
nrose	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/7/2025

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 415133

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 415133
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

<b>Location of Release Source</b> <i>Please answer all the questions in this group.</i>	
Site Name	Scoter 6-31 Federal Com 7H, 43H, 44H
Date Release Discovered	12/26/2024
Surface Owner	Federal

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

<b>Nature and Volume of Release</b> <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pump   Produced Water   Released: 44 BBL   Recovered: 40 BBL   Lost: 4 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Phone: (505) 476-3441

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

QUESTIONS, Page 2

Action 415133

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 415133
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

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

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

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**Santa Fe, NM 87505**

ACKNOWLEDGMENTS

Action 415133

**ACKNOWLEDGMENTS**

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 415133
	Action Type: [NOTIFY] Notification Of Release (NOR)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.



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Santa Fe, NM 87505

CONDITIONS

Action 415133

CONDITIONS

Operator:  CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID:  215099
	Action Number:  415133
	Action Type:  [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
nrose	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	12/26/2024



CIMAREX ENERGY  
Scoter 6-31 Federal Com 7H, 43H, 44H  
EDDY, NM

VZW Wi-Fi

8:04 AM

87%

[Spill Calculator - Lite Version](#)

Rectangle or Square Shape Spill

L(Ft)

W(Ft)

D(In)

26

24

4

Tank Size (Ft)

Tank Count

Tank OD

Tank Count



If you need to account for tank displacement,  
input Tank OD and Tank count, otherwise leave  
these empty.

Spill Before Disp (Bbls): 37.04

Tank Displacement Vol (Bbls): 0.00

Total Spill Bbls: 37.04

Total Spill Gals:  
1,555.84

ExperimentalApps.com

10:21

[SVC-Pro](#)

**Saturated Soil Calculation**

**Scoter 6 Water Transfer Pumps**

L(Ft)	W(Ft)	D(In)	Oil %
51	10	1	(%)

[Soil Definitions](#)

**SOIL TYPE FACTOR**

0.08 0.14 0.16 0.25 0.15

H2O Spill Total:	1.06 Bbls
Oil Spill Total:	0.00 Bbls
Total Spilled:	1.06 Bbls
Total Spilled:	44.51 Gals

**Screenshot for future reference!**



CIMAREX ENERGY  
Scoter 6-31 Federal Com 7H, 43H, 44H  
EDDY, NM

10:21

< SVC-Pro

**Saturated Soil Calculation**

**Scoter 6 Water Transfer Pumps**

L(Ft)	W(Ft)	D(In)	Oil %
55	10	1	(%)

**Soil Definitions**

**SOIL TYPE FACTOR**

0.08 0.14 0.16 0.25 0.15

H2O Spill Total:	1.14 Bbls
Oil Spill Total:	0.00 Bbls
Total Spilled:	1.14 Bbls
Total Spilled:	48.00 Gals

**Screenshot for future reference!**

10:23

< SVC-Pro

**Saturated Soil Calculation**

**Scoter 6 CTB WTP**

L(Ft)	W(Ft)	D(In)	Oil %
20	58	1	(%)

**Soil Definitions**

**SOIL TYPE FACTOR**

0.08 0.14 0.16 0.25 0.15

H2O Spill Total:	2.41 Bbls
Oil Spill Total:	0.00 Bbls
Total Spilled:	2.41 Bbls
Total Spilled:	101.23 Gals

**Screenshot for future reference!**



CIMAREX ENERGY  
Scoter 6-31 Federal Com 7H, 43H, 44H  
EDDY, NM

10:23 📶 🔋

← SVC-Pro

**Saturated Soil Calculation**

Scoter 6 CTB WTP

L(Ft)	W(Ft)	D(In)	Oil %
42	26	1	(%)

🗑️ **Soil Definitions** ➡️ 🖨️

**SOIL TYPE FACTOR**

0.08 0.14 0.16 0.25 0.15

H2O Spill Total: 2.27 Bbls

Oil Spill Total: 0.00 Bbls

Total Spilled: 2.27 Bbls

Total Spilled: 95.30 Gals

**Screenshot for future reference!**







CIMAREX ENERGY  
Scoter 6-31 Federal Com 7H, 43H, 44H  
EDDY, NM





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

QUESTIONS

Action 415143

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 415143
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2436140206
Incident Name	NAPP2436140206 SCOTER 6-31 FEDERAL COM 7H, 43H, 44H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Scoter 6-31 Federal Com 7H, 43H, 44H
Date Release Discovered	12/26/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pump   Produced Water   Released: 44 BBL   Recovered: 40 BBL   Lost: 4 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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QUESTIONS, Page 2

Action 415143

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 415143
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Nathaniel Rose Title: EHS Specialists Email: nathaniel.rose@coterra.com Date: 12/26/2024
--	---

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**Energy, Minerals and Natural Resources**  
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QUESTIONS, Page 3

Action 415143

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 415143
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

CONDITIONS

Action 415143

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 415143
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	12/30/2024



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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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QUESTIONS

Action 446438

## QUESTIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 446438
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

## QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2436140206
Incident Name	NAPP2436140206 SCOTER 6-31 FEDERAL COM 7H, 43H, 44H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2127341529] SCOTER 6-31 FED COM

Location of Release Source	
Site Name	SCOTER 6-31 FEDERAL COM 7H, 43H, 44H
Date Release Discovered	12/26/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	7,880
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/01/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	sampling event
Please provide any information necessary for navigation to sampling site	sampling event

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Santa Fe, NM 87505

CONDITIONS

Action 446438

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 446438
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
nrose	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/27/2025

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS

Action 449129

**QUESTIONS**

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 449129
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2436140206
Incident Name	NAPP2436140206 SCOTER 6-31 FEDERAL COM 7H, 43H, 44H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2127341529] SCOTER 6-31 FED COM

Location of Release Source	
Site Name	SCOTER 6-31 FEDERAL COM 7H, 43H, 44H
Date Release Discovered	12/26/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	650
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/09/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	: Carmona Resources will be onsite to recollect 4 samples that exceeded remediation thresholds during the original confirmation sampling event.
Please provide any information necessary for navigation to sampling site	32.15547,-104.22794

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CONDITIONS

Action 449129

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 449129
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
nrose	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/7/2025



## APPENDIX D

CARMONA RESOURCES





**Nearest water well**

Cimarex Energy Co

**Legend**

- 0.04 Miles
- 0.50 Mile Radius
- Groundwater Determination Bore
- SCOTER 6-31 FEDERAL COM 7H, 43H, 44H

60' - GWDB (05.31.2023) - DRY



SCOTER 6-31 FEDERAL COM 7H, 43H, 44H





High Karst

Cimarex Energy Co

Legend

High

SCOTER 6-31 FEDERAL COM 7H, 43H, 44H

SCOTER 6-31 FEDERAL COM 7H, 43H, 44H







New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance (meters)	Well Depth (In feet)	Depth Water (In feet)	Water Column
<a href="#">C 00819</a>		C	ED		SE	SE	26	24S	26E	570022.0	3560935.0 *		4094	62	42	20
<a href="#">C 03261</a>	POD1	CUB	ED	SW	NE	NW	20	25S	27E	574007.0	3554006.0 *		4103	351		
<a href="#">C 01841</a>		C	ED			NW	29	24S	27E	573806.0	3561953.0 *		4147	150		

Average Depth to Water: 42 feet

Minimum Depth: 42 feet

Maximum Depth: 42 feet

Record Count: 3

UTM Filters (in meters):

Easting: 572802.00  
Northing: 3557929.00  
Radius: 4500

\* 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.




## Scoter 6-31 Federal Com #7H, #43H, #44H CTB

Cimarex Energy Co.  
Incident# nRM2015743815 & nAPP2436140206  
Eddy County, NM  
Water Bore Map

### Legend

 Groundwater Determination Bore

748

 Groundwater Determination Bore

Google Earth

Image © 2025 Airbus  
Released to Imaging: 4/16/2025 10:40:54 AM

300 ft



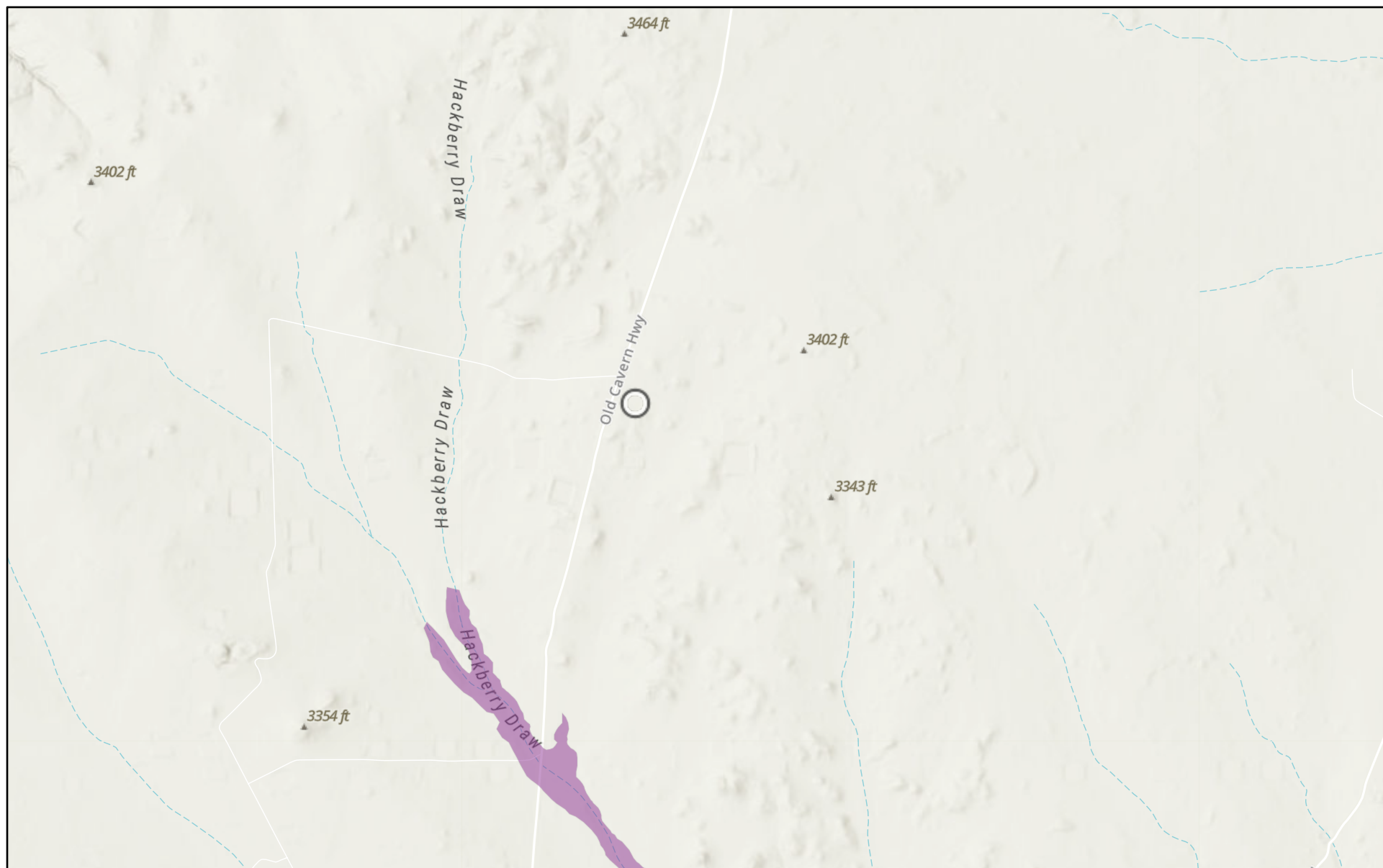


## SOIL BORE LOG

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

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

# SCOTER 6-31 FEDERAL COM 7H, 43H, 44H



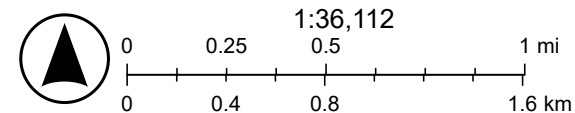
4/7/2025

USA Flood Hazard Areas

World\_Hillshade

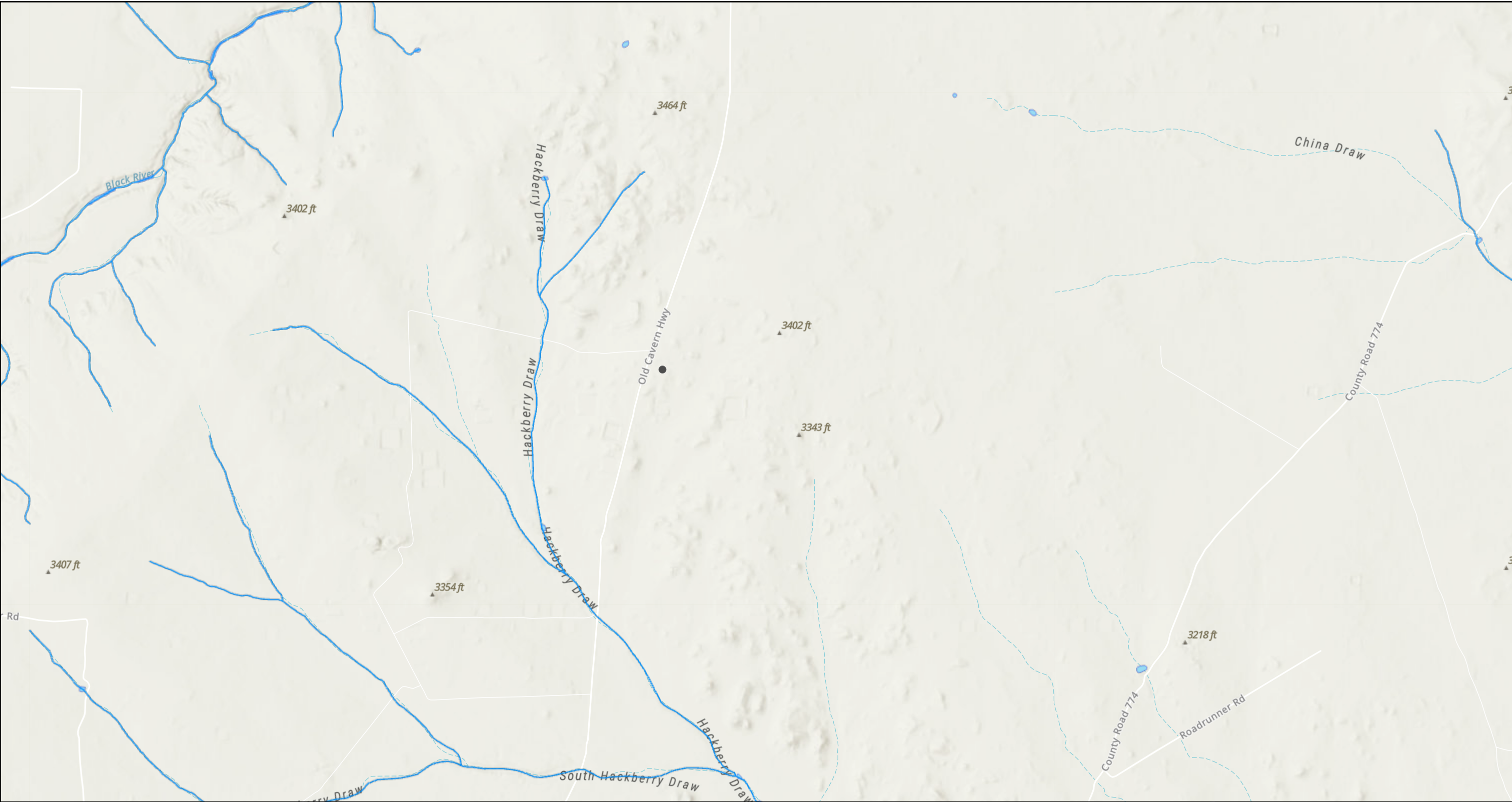
 1% Annual Chance Flood Hazard

World\_Hillshade



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

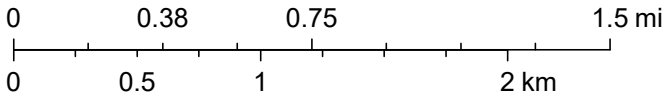
# SCOTER 6-31 FEDERAL COM 7H, 43H, 44H



4/7/2025, 2:01:53 PM

1:36,112

- OSW Water Bodies
- OSE Streams



Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, NM OSE



## APPENDIX E

CARMONA RESOURCES





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

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February 11, 2025

MICHAEL COLLIER

H & R ENTERPRISES

1010 GAMBLIN ROAD

HOBBS, NM 88240

RE: SCOTER 6-31 CTB (SCOTER)

Enclosed are the results of analyses for samples received by the laboratory on 02/06/25 13:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 1 0-1' (H250736-01)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04	
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60	
Total BTX	<0.300	0.300	02/07/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1810	16.0	02/07/2025	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	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	174	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	24.9	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 1 2' (H250736-02)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04	
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60	
Total BTX	<0.300	0.300	02/07/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	02/07/2025	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	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 1 3' (H250736-03)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04	
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60	
Total BTEX	<0.300	0.300	02/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	02/07/2025	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	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 1 4' (H250736-04)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04	
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60	
Total BTX	<0.300	0.300	02/07/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 2 0-1' (H250736-05)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04	
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60	
Total BTEX	<0.300	0.300	02/07/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3320	16.0	02/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 2 2' (H250736-06)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04	
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60	
Total BTEX	<0.300	0.300	02/07/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 2 3' (H250736-07)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04		
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354		
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721		
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60		
Total BTEx	<0.300	0.300	02/07/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 2 4' (H250736-08)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04	
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60	
Total BTEX	<0.300	0.300	02/07/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 3 0-1' (H250736-09)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04	
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60	
Total BTEX	<0.300	0.300	02/07/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	14.6	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 3 2' (H250736-10)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04	
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60	
Total BTEX	<0.300	0.300	02/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 3 3' (H250736-11)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04	
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60	
Total BTEX	<0.300	0.300	02/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 3 4' (H250736-12)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04	
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60	
Total BTEx	<0.300	0.300	02/07/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 4 0-1' (H250736-13)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04		
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354		
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721		
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60		
Total BTEx	<0.300	0.300	02/07/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	02/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 4 2' (H250736-14)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04		
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354		
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721		
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60		
Total BTEx	<0.300	0.300	02/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 4 3' (H250736-15)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04	
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60	
Total BTEX	<0.300	0.300	02/07/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 4 4' (H250736-16)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04	
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60	
Total BTEX	<0.300	0.300	02/07/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 5 0-1' (H250736-17)**

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	02/07/2025	ND	1.77	88.6	2.00	1.04		
Toluene*	<0.050	0.050	02/07/2025	ND	1.92	96.2	2.00	0.0354		
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	1.91	95.7	2.00	0.721		
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.01	100	6.00	2.60		
Total BTEX	<0.300	0.300	02/07/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	02/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 5 2' (H250736-18)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2025	ND	1.95	97.5	2.00	10.1	
Toluene*	<0.050	0.050	02/07/2025	ND	1.98	99.2	2.00	8.14	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	2.10	105	2.00	8.76	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.36	106	6.00	6.89	
Total BTX	<0.300	0.300	02/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	928	16.0	02/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 5 3' (H250736-19)**

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	02/07/2025	ND	1.95	97.5	2.00	10.1	
Toluene*	<0.050	0.050	02/07/2025	ND	1.98	99.2	2.00	8.14	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	2.10	105	2.00	8.76	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.36	106	6.00	6.89	
Total BTX	<0.300	0.300	02/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	02/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	207	104	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	208	104	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 5 4' (H250736-20)**

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	02/07/2025	ND	1.95	97.5	2.00	10.1	
Toluene*	<0.050	0.050	02/07/2025	ND	1.98	99.2	2.00	8.14	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	2.10	105	2.00	8.76	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.36	106	6.00	6.89	
Total BTX	<0.300	0.300	02/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	239	119	200	0.476	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	220	110	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 6 0-1' (H250736-21)**

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	02/07/2025	ND	1.95	97.5	2.00	10.1		
Toluene*	<0.050	0.050	02/07/2025	ND	1.98	99.2	2.00	8.14		
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	2.10	105	2.00	8.76		
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.36	106	6.00	6.89		
Total BTEx	<0.300	0.300	02/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1740	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	239	119	200	0.476	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	220	110	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 6 2' (H250736-22)**

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	02/07/2025	ND	1.95	97.5	2.00	10.1	
Toluene*	<0.050	0.050	02/07/2025	ND	1.98	99.2	2.00	8.14	
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	2.10	105	2.00	8.76	
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.36	106	6.00	6.89	
Total BTX	<0.300	0.300	02/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	239	119	200	0.476	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	220	110	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 6 3' (H250736-23)**

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	02/07/2025	ND	1.95	97.5	2.00	10.1		
Toluene*	<0.050	0.050	02/07/2025	ND	1.98	99.2	2.00	8.14		
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	2.10	105	2.00	8.76		
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.36	106	6.00	6.89		
Total BTEx	<0.300	0.300	02/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2025	ND	239	119	200	0.476	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	220	110	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/06/2025  
 Reported: 02/11/2025  
 Project Name: SCOTER 6-31 CTB (SCOTER)  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - EDDY COUNTY

Sampling Date: 02/05/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 6 4' (H250736-24)**

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	02/07/2025	ND	1.95	97.5	2.00	10.1		
Toluene*	<0.050	0.050	02/07/2025	ND	1.98	99.2	2.00	8.14		
Ethylbenzene*	<0.050	0.050	02/07/2025	ND	2.10	105	2.00	8.76		
Total Xylenes*	<0.150	0.150	02/07/2025	ND	6.36	106	6.00	6.89		
Total BTX	<0.300	0.300	02/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	02/07/2025	ND	448	112	400	3.64	QR-03	

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	02/07/2025	ND	239	119	200	0.476	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	220	110	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager

[illegible]

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)





**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: H&R Enterprises				<b>BILL TO</b>										<b>ANALYSIS REQUEST</b>																			
Project Manager: Michael Collier				P.O. #:																													
Address:				Company: Coterra Energy																													
City: State: Zip:				Attn: Nathan Rose																													
Phone #: Fax #:				Address:																													
Project #: Project Owner: Cimarex Energy				City:																													
Project Name: Scoter 6-31 CTB (SCOTER)				State: Zip:																													
Project Location: Eddy County, NM				Phone #:																													
Sampler Name: Michael Collier				Fax #:																													
FOR LAB USE ONLY																																	
Lab I.D. H2507360								MATRIX				PRESERV.		SAMPLING																			
				(GRAB OR C/COMP)		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		SLUDGE		OTHER		ACID/BASE		ICE / COOL		OTHER		DATE		TIME		BTX		TPH		Chlorides	
11 BH-3 3'				G		1				X								X		X		X		2-5-25									
12 4'																																	
13 BH-4 0-1'																																	
14 2'																																	
15 3'																																	
16 4'																																	
17 BH-5 0-1'																																	
18 2'																																	
19 3'																																	
20 4'																																	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>M. Collier</i>		Date: 2-25-25	Received By: <i>AD</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: 1355		Time:		All Results are emailed. Please provide Email address:				
Relinquished By:		Date:	Received By:		REMARKS: Pg 2 of 3 CC Results to laci.luig@coterra.com			
Time:		Time:		72 HR RUSH				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C 3.8-4.1	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <i>AD</i>		Turnaround Time: Standard <input type="checkbox"/> Bacteria (only) Sample Condition	
					Thermometer ID: #1157140 Correction Factor: -0.5°C 10.3		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	

FORM-006 R 3.2 10/07/21

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[illegible]

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

---

April 04, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: SCOTER 6-31 ( 12.26.2024 )

Enclosed are the results of analyses for samples received by the laboratory on 04/02/25 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at

[www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 (2.0')	H251963-01	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 2 (2.0')	H251963-02	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 3 (2.0')	H251963-03	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 4 (2.0')	H251963-04	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 5 (2.0')	H251963-05	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 6 (2.0')	H251963-06	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 7 (2.0')	H251963-07	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 8 (2.0')	H251963-08	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 9 (2.0')	H251963-09	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 10 (2.0')	H251963-10	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 11 (2.0')	H251963-11	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 12 (2.0')	H251963-12	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 13 (2.0')	H251963-13	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 14 (2.0')	H251963-14	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 15 (2.0')	H251963-15	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 16 (2.0')	H251963-16	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 17 (2.0')	H251963-17	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 18 (2.0')	H251963-18	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 19 (2.0')	H251963-19	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 20 (2.0')	H251963-20	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 21 (2.0')	H251963-21	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 22 (2.0')	H251963-22	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 23 (2.0')	H251963-23	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 24 (2.0')	H251963-24	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 25 (2.0')	H251963-25	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 26 (2.0')	H251963-26	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 27 (2.0')	H251963-27	Soil	01-Apr-25 00:00	02-Apr-25 16:05

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

CS - 28 (2.0')	H251963-28	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 29 (2.0')	H251963-29	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 30 (4.0')	H251963-30	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 31 (4.0')	H251963-31	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 32 (2.0')	H251963-32	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 33 (2.0')	H251963-33	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 34 (2.0')	H251963-34	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 35 (2.0')	H251963-35	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 36 (2.0')	H251963-36	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 37 (2.0')	H251963-37	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 38 (2.0')	H251963-38	Soil	01-Apr-25 00:00	02-Apr-25 16:05
CS - 39 (2.0')	H251963-39	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 1 (2.0')	H251963-40	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 2 (2.0')	H251963-41	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 3 (2.0')	H251963-42	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 4 (2.0')	H251963-43	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 5 (2.0')	H251963-44	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 6 (2.0')	H251963-45	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 7 (2.0')	H251963-46	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 8 (2.0')	H251963-47	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 9 (2.0')	H251963-48	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 10 (2.0')	H251963-49	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 11 (2.0')	H251963-50	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 12 (2.0')	H251963-51	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 13 (2.0')	H251963-52	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 14 (2.0')	H251963-53	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 15 (2.0')	H251963-54	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 16 (2.0')	H251963-55	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 17 (2.0')	H251963-56	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 18 (2.0')	H251963-57	Soil	01-Apr-25 00:00	02-Apr-25 16:05

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

SW - 19 (2.0')	H251963-58	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 20 (2.0')	H251963-59	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 21 (2.0')	H251963-60	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 22 (2.0')	H251963-61	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 23 (2.0')	H251963-62	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 24 (2.0')	H251963-63	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 25 (2.0')	H251963-64	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 26 (4.0')	H251963-65	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 27 (2.0'-4.0')	H251963-66	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 28 (4.0')	H251963-67	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 29 (2.0'-4.0')	H251963-68	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 30 (2.0')	H251963-69	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 31 (2.0')	H251963-70	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 32 (2.0')	H251963-71	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 33 (2.0')	H251963-72	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 34 (2.0')	H251963-73	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 35 (4.0')	H251963-74	Soil	01-Apr-25 00:00	02-Apr-25 16:05
SW - 36 (2.0')	H251963-75	Soil	01-Apr-25 00:00	02-Apr-25 16:05

04/04/25 - Client changed the sample depths on -05 thru -08 and -15 thru -18 (see COC). This is the revised report and will replace the one sent earlier today, 04/04/25.

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 1 (2.0')**  
**H251963-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>304</b>		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		99.1 %		71.5-134	5040310	JH	03-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040242	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040242	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040242	MS	03-Apr-25	8015B	
Surrogate: 1-Chlorooctane		95.1 %		44.4-145	5040242	MS	03-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane		91.6 %		40.6-153	5040242	MS	03-Apr-25	8015B	

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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 2 (2.0')**  
**H251963-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	71.5-134		5040310	JH	03-Apr-25	8021B	
--	--	--	-------	----------	--	---------	----	-----------	-------	--

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040242	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040242	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040242	MS	03-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			98.2 %	44.4-145		5040242	MS	03-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.2 %	40.6-153		5040242	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 3 (2.0')**  
**H251963-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1220</b>		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	99.6 %	71.5-134	5040310	JH	03-Apr-25	8021B
---------------------------------------	--------	----------	---------	----	-----------	-------

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B

Surrogate: 1-Chlorooctane	97.7 %	44.4-145	5040302	MS	03-Apr-25	8015B
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Surrogate: 1-Chlorooctadecane	92.9 %	40.6-153	5040302	MS	03-Apr-25	8015B
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 4 (2.0')**  
**H251963-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	71.5-134		5040310	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	04-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	04-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	04-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.1 %	44.4-145		5040302	MS	04-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.6 %	40.6-153		5040302	MS	04-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 5 (2.0')**  
**H251963-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.4 %		71.5-134	5040310	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.5 %		44.4-145	5040302	MS	03-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.7 %		40.6-153	5040302	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 6 (2.0')**  
**H251963-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>144</b>		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	71.5-134		5040310	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			94.5 %	44.4-145		5040302	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			91.8 %	40.6-153		5040302	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 7 (2.0')**  
**H251963-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1220</b>		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		97.0 %		71.5-134	5040310	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>		97.4 %		44.4-145	5040302	MS	03-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		95.5 %		40.6-153	5040302	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 8 (2.0')**  
**H251963-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>160</b>		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.6 %		71.5-134	5040310	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.6 %		44.4-145	5040302	MS	03-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.7 %		40.6-153	5040302	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 9 (2.0')**  
**H251963-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134 5040310 JH 03-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane 88.1 % 44.4-145 5040302 MS 03-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 83.8 % 40.6-153 5040302 MS 03-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 10 (2.0')****H251963-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	320		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.5 %	71.5-134		5040310	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			98.4 %	44.4-145		5040302	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			95.8 %	40.6-153		5040302	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 11 (2.0')**  
**H251963-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.0 %	71.5-134		5040310	JH	03-Apr-25	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
Surrogate: 1-Chlorooctane			99.3 %	44.4-145		5040302	MS	03-Apr-25	8015B	
Surrogate: 1-Chlorooctadecane			94.1 %	40.6-153		5040302	MS	03-Apr-25	8015B	

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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 12 (2.0')****H251963-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	71.5-134		5040310	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			102 %	44.4-145		5040302	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			96.2 %	40.6-153		5040302	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 13 (2.0')****H251963-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	71.5-134		5040310	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			96.3 %	44.4-145		5040302	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			91.4 %	40.6-153		5040302	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 14 (2.0')****H251963-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134 5040310 JH 03-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane 89.3 % 44.4-145 5040302 MS 03-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 85.1 % 40.6-153 5040302 MS 03-Apr-25 8015B

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 15 (2.0')****H251963-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.5 %		71.5-134	5040310	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			96.5 %		44.4-145	5040302	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			91.6 %		40.6-153	5040302	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 16 (2.0')****H251963-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	5040320	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.8 %		71.5-134	5040310	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			83.1 %		44.4-145	5040302	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			78.6 %		40.6-153	5040302	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 17 (2.0')****H251963-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.1 %		71.5-134	5040310	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			96.8 %		44.4-145	5040302	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			91.4 %		40.6-153	5040302	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 18 (2.0')****H251963-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134 5040310 JH 03-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane 101 % 44.4-145 5040302 MS 03-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 96.9 % 40.6-153 5040302 MS 03-Apr-25 8015B

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 19 (2.0')****H251963-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040310	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040310	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	71.5-134		5040310	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			101 %	44.4-145		5040302	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			95.3 %	40.6-153		5040302	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 20 (2.0')****H251963-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			99.5 %		44.4-145	5040302	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			93.7 %		40.6-153	5040302	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 21 (2.0')****H251963-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			119 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			94.1 %		44.4-145	5040302	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			89.9 %		40.6-153	5040302	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 22 (2.0')****H251963-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			120 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040302	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			92.4 %		44.4-145	5040302	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			86.1 %		40.6-153	5040302	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 23 (2.0')****H251963-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			119 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			103 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			97.8 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 24 (2.0')****H251963-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			81.2 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			74.9 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 25 (2.0')****H251963-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			119 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			90.9 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			83.4 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 26 (2.0')****H251963-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>256</b>		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			120 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			97.5 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			88.9 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 27 (2.0')****H251963-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			120 %	71.5-134		5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			82.3 %	44.4-145		5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			78.3 %	40.6-153		5040303	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 28 (2.0')****H251963-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			85.0 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			77.2 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 29 (2.0')****H251963-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	336		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			82.3 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			76.6 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 30 (4.0')****H251963-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			86.2 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			80.5 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 31 (4.0')****H251963-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	736		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			119 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			85.4 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			80.3 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 32 (2.0')****H251963-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	752		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			94.9 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			88.8 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 33 (2.0')****H251963-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	496		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			96.2 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			91.8 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 34 (2.0')****H251963-34 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			121 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			99.9 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			96.4 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 35 (2.0')****H251963-35 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			119 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			98.8 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			95.1 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 36 (2.0')****H251963-36 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	512		16.0	mg/kg	4	5040324	AC	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			119 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			99.7 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			92.2 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 37 (2.0')****H251963-37 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	384		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			119 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			97.7 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			95.9 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 38 (2.0')****H251963-38 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	432		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			119 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			96.2 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			90.8 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**CS - 39 (2.0')****H251963-39 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	496		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040311	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040311	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			120 %		71.5-134	5040311	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			82.5 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			75.8 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 1 (2.0')**  
**H251963-40 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	QM-07
Total Xylenes*	<0.150		0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	QM-07
Total BTEX	<0.300		0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134 5040312 JH 03-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane 93.0 % 44.4-145 5040303 MS 03-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 88.2 % 40.6-153 5040303 MS 03-Apr-25 8015B

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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 2 (2.0')**  
**H251963-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>400</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %		71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			86.9 %		44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			80.4 %		40.6-153	5040303	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 3 (2.0')**  
**H251963-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>432</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	119 %	71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040303	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane	95.8 %	44.4-145	5040303	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane	89.6 %	40.6-153	5040303	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 4 (2.0')**  
**H251963-43 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>224</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	117 %	71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane	98.6 %	44.4-145	5040304	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane	91.0 %	40.6-153	5040304	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 5 (2.0')**  
**H251963-44 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>608</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %		71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			101 %		44.4-145	5040304	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			96.0 %		40.6-153	5040304	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 6 (2.0')**  
**H251963-45 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>2960</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			124 %	71.5-134		5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			102 %	44.4-145		5040304	MS	03-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.0 %	40.6-153		5040304	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 7 (2.0')**  
**H251963-46 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>624</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	121 %	71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane	95.7 %	44.4-145	5040304	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane	91.1 %	40.6-153	5040304	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 8 (2.0')**  
**H251963-47 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>3200</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	122 %	71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane	94.8 %	44.4-145	5040304	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane	89.8 %	40.6-153	5040304	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 9 (2.0')**  
**H251963-48 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>7840</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			116 %		71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			98.5 %		44.4-145	5040304	MS	03-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.1 %		40.6-153	5040304	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 10 (2.0')****H251963-49 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>12200</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			123 %		71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			83.8 %		44.4-145	5040304	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			79.6 %		40.6-153	5040304	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 11 (2.0')****H251963-50 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>3080</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			125 %		71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.7 %		44.4-145	5040304	MS	03-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.1 %		40.6-153	5040304	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 12 (2.0')****H251963-51 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>7860</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		118 %		71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>		102 %		44.4-145	5040304	MS	03-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		96.7 %		40.6-153	5040304	MS	03-Apr-25	8015B	
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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 13 (2.0')****H251963-52 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>3360</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	123 %	71.5-134	5040312	JH	03-Apr-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B

Surrogate: 1-Chlorooctane	94.2 %	44.4-145	5040304	MS	03-Apr-25	8015B
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Surrogate: 1-Chlorooctadecane	90.1 %	40.6-153	5040304	MS	03-Apr-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 14 (2.0')****H251963-53 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>19500</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	121 %	71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane	99.6 %	44.4-145	5040304	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane	94.7 %	40.6-153	5040304	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 15 (2.0')****H251963-54 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>5920</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			124 %		71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.6 %		44.4-145	5040304	MS	03-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.0 %		40.6-153	5040304	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 16 (2.0')****H251963-55 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>26400</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	126 %	71.5-134	5040312	JH	03-Apr-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B

Surrogate: 1-Chlorooctane	94.3 %	44.4-145	5040304	MS	03-Apr-25	8015B
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Surrogate: 1-Chlorooctadecane	89.6 %	40.6-153	5040304	MS	03-Apr-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 17 (2.0')****H251963-56 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>7760</b>		16.0	mg/kg	4	5040335	KV	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	123 %	71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane	96.6 %	44.4-145	5040304	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane	90.8 %	40.6-153	5040304	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 18 (2.0')****H251963-57 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>3960</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	QM-07
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134 5040312 JH 03-Apr-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane 98.6 % 44.4-145 5040304 MS 03-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 92.9 % 40.6-153 5040304 MS 03-Apr-25 8015B

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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 19 (2.0')****H251963-58 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>4280</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	127 %	71.5-134	5040312	JH	03-Apr-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B

Surrogate: 1-Chlorooctane	89.5 %	44.4-145	5040304	MS	03-Apr-25	8015B
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Surrogate: 1-Chlorooctadecane	84.3 %	40.6-153	5040304	MS	03-Apr-25	8015B
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 20 (2.0')****H251963-59 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>2840</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040312	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040312	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	123 %	71.5-134	5040312	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane	86.6 %	44.4-145	5040304	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane	83.2 %	40.6-153	5040304	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 21 (2.0')****H251963-60 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>10800</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	QR-03
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	QR-03
Total Xylenes*	<0.150		0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	QR-03
Total BTEX	<0.300		0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		111 %		71.5-134		5040313	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane		93.6 %		44.4-145		5040304	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane		88.9 %		40.6-153		5040304	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 22 (2.0')****H251963-61 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>17400</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	5040313	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane	93.9 %	44.4-145	5040304	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane	89.6 %	40.6-153	5040304	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 23 (2.0')****H251963-62 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>336</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5040313	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040304	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane	94.2 %	44.4-145	5040304	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane	88.9 %	40.6-153	5040304	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 24 (2.0')****H251963-63 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>7040</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	71.5-134	5040313	JH	03-Apr-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B

Surrogate: 1-Chlorooctane	96.3 %	44.4-145	5040305	MS	03-Apr-25	8015B
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Surrogate: 1-Chlorooctadecane	98.2 %	40.6-153	5040305	MS	03-Apr-25	8015B
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 25 (2.0')****H251963-64 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>5600</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %		71.5-134	5040313	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.4 %		44.4-145	5040305	MS	03-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.8 %		40.6-153	5040305	MS	03-Apr-25	8015B	
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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 26 (4.0')****H251963-65 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>2640</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	113 %	71.5-134	5040313	JH	03-Apr-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B

Surrogate: 1-Chlorooctane	92.9 %	44.4-145	5040305	MS	03-Apr-25	8015B
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Surrogate: 1-Chlorooctadecane	97.7 %	40.6-153	5040305	MS	03-Apr-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 27 (2.0'-4.0')****H251963-66 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>336</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	71.5-134	5040313	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane	97.2 %	44.4-145	5040305	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane	100 %	40.6-153	5040305	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 28 (4.0')****H251963-67 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>960</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	99.8 %	71.5-134	5040313	JH	03-Apr-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B

Surrogate: 1-Chlorooctane	89.6 %	44.4-145	5040305	MS	03-Apr-25	8015B
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Surrogate: 1-Chlorooctadecane	91.2 %	40.6-153	5040305	MS	03-Apr-25	8015B
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 29 (2.0'-4.0')****H251963-68 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>352</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	5040313	JH	03-Apr-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B

Surrogate: 1-Chlorooctane	93.4 %	44.4-145	5040305	MS	03-Apr-25	8015B
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Surrogate: 1-Chlorooctadecane	96.4 %	40.6-153	5040305	MS	03-Apr-25	8015B
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 30 (2.0')****H251963-69 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	5040313	JH	03-Apr-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B

Surrogate: 1-Chlorooctane	75.1 %	44.4-145	5040305	MS	03-Apr-25	8015B
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Surrogate: 1-Chlorooctadecane	75.9 %	40.6-153	5040305	MS	03-Apr-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 31 (2.0')****H251963-70 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	71.5-134		5040313	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.7 %	44.4-145		5040305	MS	03-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			80.8 %	40.6-153		5040305	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 32 (2.0')****H251963-71 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>96.0</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %		71.5-134	5040313	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.6 %		44.4-145	5040305	MS	03-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			78.8 %		40.6-153	5040305	MS	03-Apr-25	8015B	
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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 33 (2.0')****H251963-72 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>384</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %		71.5-134	5040313	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.0 %		44.4-145	5040305	MS	03-Apr-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.7 %		40.6-153	5040305	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 34 (2.0')****H251963-73 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>352</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	5040313	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane			88.3 %		44.4-145	5040305	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane			86.0 %		40.6-153	5040305	MS	03-Apr-25	8015B	
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 35 (4.0')****H251963-74 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	5040313	JH	03-Apr-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B

Surrogate: 1-Chlorooctane	83.1 %	44.4-145	5040305	MS	03-Apr-25	8015B
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Surrogate: 1-Chlorooctadecane	82.0 %	40.6-153	5040305	MS	03-Apr-25	8015B
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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**SW - 36 (2.0')****H251963-75 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>752</b>		16.0	mg/kg	4	5040325	CT	03-Apr-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5040313	JH	03-Apr-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5040313	JH	03-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	5040313	JH	03-Apr-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5040305	MS	03-Apr-25	8015B	

Surrogate: 1-Chlorooctane	89.1 %	44.4-145	5040305	MS	03-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane	88.0 %	40.6-153	5040305	MS	03-Apr-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5040320 - 1:4 DI Water****Blank (5040320-BLK1)**

Prepared &amp; Analyzed: 03-Apr-25

Chloride	ND	16.0	mg/kg						
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**LCS (5040320-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

Chloride	432	16.0	mg/kg	400	108	80-120			
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**LCS Dup (5040320-BSD1)**

Prepared &amp; Analyzed: 03-Apr-25

Chloride	448	16.0	mg/kg	400	112	80-120	3.64	20	
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**Batch 5040324 - 1:4 DI Water****Blank (5040324-BLK1)**

Prepared &amp; Analyzed: 03-Apr-25

Chloride	ND	16.0	mg/kg						
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**LCS (5040324-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

Chloride	400	16.0	mg/kg	400	100	80-120			
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**LCS Dup (5040324-BSD1)**

Prepared &amp; Analyzed: 03-Apr-25

Chloride	416	16.0	mg/kg	400	104	80-120	3.92	20	
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**Batch 5040325 - 1:4 DI Water****Blank (5040325-BLK1)**

Prepared &amp; Analyzed: 03-Apr-25

Chloride	ND	16.0	mg/kg						
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**LCS (5040325-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

Chloride	416	16.0	mg/kg	400	104	80-120			
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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5040325 - 1:4 DI Water****LCS Dup (5040325-BSD1)**

Prepared &amp; Analyzed: 03-Apr-25

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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**Batch 5040335 - 1:4 DI Water****Blank (5040335-BLK1)**

Prepared &amp; Analyzed: 03-Apr-25

Chloride	ND	16.0	mg/kg							
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**LCS (5040335-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

Chloride	400	16.0	mg/kg	400		100	80-120			
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**LCS Dup (5040335-BSD1)**

Prepared &amp; Analyzed: 03-Apr-25

Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	
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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5040310 - Volatiles****Blank (5040310-BLK1)**

Prepared &amp; Analyzed: 03-Apr-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.3	71.5-134			

**LCS (5040310-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

Benzene	2.13	0.050	mg/kg	2.00		106	82.8-130			
Toluene	2.17	0.050	mg/kg	2.00		109	86-128			
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	85.9-128			
m,p-Xylene	4.17	0.100	mg/kg	4.00		104	89-129			
o-Xylene	2.06	0.050	mg/kg	2.00		103	86.1-125			
Total Xylenes	6.23	0.150	mg/kg	6.00		104	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.5	71.5-134			

**LCS Dup (5040310-BSD1)**

Prepared &amp; Analyzed: 03-Apr-25

Benzene	2.08	0.050	mg/kg	2.00		104	82.8-130	2.21	15.8	
Toluene	2.14	0.050	mg/kg	2.00		107	86-128	1.39	15.9	
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	85.9-128	1.32	16	
m,p-Xylene	4.12	0.100	mg/kg	4.00		103	89-129	1.18	16.2	
o-Xylene	2.04	0.050	mg/kg	2.00		102	86.1-125	1.24	16.7	
Total Xylenes	6.16	0.150	mg/kg	6.00		103	88.2-128	1.20	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0490		mg/kg	0.0500		97.9	71.5-134			

**Batch 5040311 - Volatiles****Blank (5040311-BLK1)**

Prepared &amp; Analyzed: 03-Apr-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5040311 - Volatiles****Blank (5040311-BLK1)**

Prepared &amp; Analyzed: 03-Apr-25

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0605		mg/kg	0.0500		121	71.5-134			

**LCS (5040311-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

Benzene	1.98	0.050	mg/kg	2.00		99.1	82.8-130			
Toluene	2.06	0.050	mg/kg	2.00		103	86-128			
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	85.9-128			
m,p-Xylene	4.40	0.100	mg/kg	4.00		110	89-129			
o-Xylene	2.09	0.050	mg/kg	2.00		105	86.1-125			
Total Xylenes	6.49	0.150	mg/kg	6.00		108	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0482		mg/kg	0.0500		96.4	71.5-134			

**LCS Dup (5040311-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

Benzene	1.98	0.050	mg/kg	2.00		98.8	82.8-130	0.312	15.8	
Toluene	2.07	0.050	mg/kg	2.00		104	86-128	0.926	15.9	
Ethylbenzene	2.11	0.050	mg/kg	2.00		105	85.9-128	1.09	16	
m,p-Xylene	4.41	0.100	mg/kg	4.00		110	89-129	0.321	16.2	
o-Xylene	2.11	0.050	mg/kg	2.00		105	86.1-125	0.611	16.7	
Total Xylenes	6.52	0.150	mg/kg	6.00		109	88.2-128	0.415	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0483		mg/kg	0.0500		96.7	71.5-134			

**Batch 5040312 - Volatiles****Blank (5040312-BLK1)**

Prepared &amp; Analyzed: 03-Apr-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0589		mg/kg	0.0500		118	71.5-134			

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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5040312 - Volatiles****LCS (5040312-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

Benzene	2.03	0.050	mg/kg	2.00		101	82.8-130			
Toluene	2.04	0.050	mg/kg	2.00		102	86-128			
Ethylbenzene	2.24	0.050	mg/kg	2.00		112	85.9-128			
m,p-Xylene	4.57	0.100	mg/kg	4.00		114	89-129			
o-Xylene	2.25	0.050	mg/kg	2.00		113	86.1-125			
Total Xylenes	6.82	0.150	mg/kg	6.00		114	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0548		mg/kg	0.0500		110	71.5-134			

**LCS Dup (5040312-BSD1)**

Prepared &amp; Analyzed: 03-Apr-25

Benzene	2.05	0.050	mg/kg	2.00		102	82.8-130	1.02	15.8	
Toluene	2.15	0.050	mg/kg	2.00		108	86-128	5.61	15.9	
Ethylbenzene	2.42	0.050	mg/kg	2.00		121	85.9-128	7.68	16	
m,p-Xylene	4.96	0.100	mg/kg	4.00		124	89-129	8.30	16.2	
o-Xylene	2.45	0.050	mg/kg	2.00		123	86.1-125	8.44	16.7	
Total Xylenes	7.41	0.150	mg/kg	6.00		124	88.2-128	8.35	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0577		mg/kg	0.0500		115	71.5-134			

**Batch 5040313 - Volatiles****Blank (5040313-BLK1)**

Prepared &amp; Analyzed: 03-Apr-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	71.5-134			

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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5040313 - Volatiles****LCS (5040313-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

Benzene	2.10	0.050	mg/kg	2.00		105	82.8-130		
Toluene	2.01	0.050	mg/kg	2.00		100	86-128		
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128		
m,p-Xylene	4.27	0.100	mg/kg	4.00		107	89-129		
o-Xylene	2.13	0.050	mg/kg	2.00		107	86.1-125		
Total Xylenes	6.40	0.150	mg/kg	6.00		107	88.2-128		

Surrogate: 4-Bromofluorobenzene (PID)

0.0498

mg/kg

0.0500

99.6

71.5-134

**LCS Dup (5040313-BSD1)**

Prepared &amp; Analyzed: 03-Apr-25

Benzene	1.88	0.050	mg/kg	2.00		94.1	82.8-130	10.8	15.8
Toluene	1.80	0.050	mg/kg	2.00		90.0	86-128	10.8	15.9
Ethylbenzene	1.83	0.050	mg/kg	2.00		91.5	85.9-128	11.7	16
m,p-Xylene	3.84	0.100	mg/kg	4.00		96.0	89-129	10.5	16.2
o-Xylene	1.91	0.050	mg/kg	2.00		95.6	86.1-125	10.9	16.7
Total Xylenes	5.75	0.150	mg/kg	6.00		95.9	88.2-128	10.6	16.3

Surrogate: 4-Bromofluorobenzene (PID)

0.0486

mg/kg

0.0500

97.2

71.5-134

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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  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5040242 - General Prep - Organics****Blank (5040242-BLK1)**

Prepared: 02-Apr-25 Analyzed: 03-Apr-25

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	53.8		mg/kg	50.0		108	44.4-145		
Surrogate: 1-Chlorooctadecane	52.3		mg/kg	50.0		105	40.6-153		

**LCS (5040242-BS1)**

Prepared: 02-Apr-25 Analyzed: 03-Apr-25

GRO C6-C10	203	10.0	mg/kg	200		101	81.5-123		
DRO >C10-C28	205	10.0	mg/kg	200		102	77.7-122		
Total TPH C6-C28	408	10.0	mg/kg	400		102	80.9-121		
Surrogate: 1-Chlorooctane	56.8		mg/kg	50.0		114	44.4-145		
Surrogate: 1-Chlorooctadecane	55.4		mg/kg	50.0		111	40.6-153		

**LCS Dup (5040242-BS1)**

Prepared: 02-Apr-25 Analyzed: 03-Apr-25

GRO C6-C10	208	10.0	mg/kg	200		104	81.5-123	2.68	13
DRO >C10-C28	206	10.0	mg/kg	200		103	77.7-122	0.273	15.6
Total TPH C6-C28	414	10.0	mg/kg	400		104	80.9-121	1.48	18.5
Surrogate: 1-Chlorooctane	54.1		mg/kg	50.0		108	44.4-145		
Surrogate: 1-Chlorooctadecane	52.8		mg/kg	50.0		106	40.6-153		

**Batch 5040302 - General Prep - Organics****Blank (5040302-BLK1)**

Prepared &amp; Analyzed: 03-Apr-25

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	53.4		mg/kg	50.0		107	44.4-145		
Surrogate: 1-Chlorooctadecane	50.3		mg/kg	50.0		101	40.6-153		

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5040302 - General Prep - Organics****LCS (5040302-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

GRO C6-C10	216	10.0	mg/kg	200		108	81.5-123			
DRO >C10-C28	195	10.0	mg/kg	200		97.7	77.7-122			
Total TPH C6-C28	412	10.0	mg/kg	400		103	80.9-121			
Surrogate: 1-Chlorooctane	56.8		mg/kg	50.0		114	44.4-145			
Surrogate: 1-Chlorooctadecane	54.0		mg/kg	50.0		108	40.6-153			

**LCS Dup (5040302-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

GRO C6-C10	214	10.0	mg/kg	200		107	81.5-123	1.20	13	
DRO >C10-C28	200	10.0	mg/kg	200		99.8	77.7-122	2.13	15.6	
Total TPH C6-C28	413	10.0	mg/kg	400		103	80.9-121	0.390	18.5	
Surrogate: 1-Chlorooctane	52.0		mg/kg	50.0		104	44.4-145			
Surrogate: 1-Chlorooctadecane	49.5		mg/kg	50.0		99.0	40.6-153			

**Batch 5040303 - General Prep - Organics****Blank (5040303-BLK1)**

Prepared &amp; Analyzed: 03-Apr-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	53.6		mg/kg	50.0		107	44.4-145			
Surrogate: 1-Chlorooctadecane	50.6		mg/kg	50.0		101	40.6-153			

**LCS (5040303-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

GRO C6-C10	211	10.0	mg/kg	200		105	81.5-123			
DRO >C10-C28	200	10.0	mg/kg	200		100	77.7-122			
Total TPH C6-C28	411	10.0	mg/kg	400		103	80.9-121			
Surrogate: 1-Chlorooctane	56.0		mg/kg	50.0		112	44.4-145			
Surrogate: 1-Chlorooctadecane	53.3		mg/kg	50.0		107	40.6-153			

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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5040303 - General Prep - Organics****LCS Dup (5040303-BSD1)**

Prepared &amp; Analyzed: 03-Apr-25

GRO C6-C10	210	10.0	mg/kg	200		105	81.5-123	0.534	13	
DRO >C10-C28	200	10.0	mg/kg	200		100	77.7-122	0.172	15.6	
Total TPH C6-C28	410	10.0	mg/kg	400		102	80.9-121	0.189	18.5	
Surrogate: 1-Chlorooctane	51.9		mg/kg	50.0		104	44.4-145			
Surrogate: 1-Chlorooctadecane	49.5		mg/kg	50.0		99.0	40.6-153			

**Batch 5040304 - General Prep - Organics****Blank (5040304-BLK1)**

Prepared &amp; Analyzed: 03-Apr-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	44.4-145			
Surrogate: 1-Chlorooctadecane	48.4		mg/kg	50.0		96.8	40.6-153			

**LCS (5040304-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

GRO C6-C10	197	10.0	mg/kg	200		98.3	81.5-123			
DRO >C10-C28	189	10.0	mg/kg	200		94.6	77.7-122			
Total TPH C6-C28	386	10.0	mg/kg	400		96.5	80.9-121			
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	44.4-145			
Surrogate: 1-Chlorooctadecane	49.0		mg/kg	50.0		98.0	40.6-153			

**LCS Dup (5040304-BSD1)**

Prepared &amp; Analyzed: 03-Apr-25

GRO C6-C10	207	10.0	mg/kg	200		104	81.5-123	5.21	13	
DRO >C10-C28	196	10.0	mg/kg	200		98.1	77.7-122	3.67	15.6	
Total TPH C6-C28	403	10.0	mg/kg	400		101	80.9-121	4.46	18.5	
Surrogate: 1-Chlorooctane	49.8		mg/kg	50.0		99.6	44.4-145			
Surrogate: 1-Chlorooctadecane	47.6		mg/kg	50.0		95.1	40.6-153			

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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: SCOTER 6-31 ( 12.26.2024 )  
Project Number: 2613  
Project Manager: ASHTON THIELKE  
Fax To:

Reported:  
04-Apr-25 17:12

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5040305 - General Prep - Organics****Blank (5040305-BLK1)**

Prepared &amp; Analyzed: 03-Apr-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	53.1		mg/kg	50.0		106	44.4-145			
Surrogate: 1-Chlorooctadecane	52.3		mg/kg	50.0		105	40.6-153			

**LCS (5040305-BS1)**

Prepared &amp; Analyzed: 03-Apr-25

GRO C6-C10	201	10.0	mg/kg	200		101	81.5-123			
DRO >C10-C28	202	10.0	mg/kg	200		101	77.7-122			
Total TPH C6-C28	404	10.0	mg/kg	400		101	80.9-121			
Surrogate: 1-Chlorooctane	56.7		mg/kg	50.0		113	44.4-145			
Surrogate: 1-Chlorooctadecane	57.2		mg/kg	50.0		114	40.6-153			

**LCS Dup (5040305-BSD1)**

Prepared &amp; Analyzed: 03-Apr-25

GRO C6-C10	205	10.0	mg/kg	200		103	81.5-123	1.98	13	
DRO >C10-C28	203	10.0	mg/kg	200		102	77.7-122	0.521	15.6	
Total TPH C6-C28	409	10.0	mg/kg	400		102	80.9-121	1.25	18.5	
Surrogate: 1-Chlorooctane	53.0		mg/kg	50.0		106	44.4-145			
Surrogate: 1-Chlorooctadecane	54.3		mg/kg	50.0		109	40.6-153			

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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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: H9519102


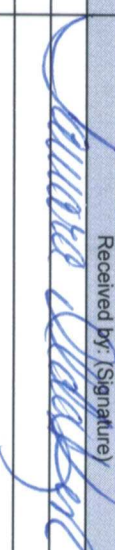
Page 1 of 4

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marlenfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & nathaniel.rose@coterra.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Refund <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:	Sotler 6-31 (12.26.2024)		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2613		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														None: NO	DI Water: H <sub>2</sub> O	
Project Location:	Eddy Co, NM		Due Date:	48 Hr TAT														Cool: Cool	MeOH: Me	
Sample's Name:	GPJ																	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										Hold			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:			#140											NaHSO <sub>4</sub> : NABIS				
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:			+ 0.3°C											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:			4.9°C											Zn Acetate+NaOH: Zn				
Total Containers:			Corrected Temperature:			5.2°C											NaOH+Ascorbic Acid: SAPC			
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
CS-1 (2.0')			4/1/2025		X		C	1	X	X	X									
CS-2 (2.0')			4/1/2025		X		C	1	X	X	X									
CS-3 (2.0')			4/1/2025		X		C	1	X	X	X									
CS-4 (2.0')			4/1/2025		X		C	1	X	X	X									
CS-5 (2.0') *			4/1/2025		X		C	1	X	X	X									
CS-6 (2.3')			4/1/2025		X		C	1	X	X	X									
CS-7 (2.3')			4/1/2025		X		C	1	X	X	X									
CS-8 (2.3')			4/1/2025		X		C	1	X	X	X									
CS-9 (2.0')			4/1/2025		X		C	1	X	X	X									
CS-10 (2.0')			4/1/2025		X		C	1	X	X	X									

Comments: \* Customer requested Depth Change's. 4/4/25

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
					4:45 4/05



## Chain of Custody

**Work Order No.:**

Page 2 of 8

Page 92 of 98

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marientfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	<a href="mailto:laci.luig@coterra.com">laci.luig@coterra.com</a> & <a href="mailto:nathaniel.rose@coterra.com">nathaniel.rose@coterra.com</a>



Work Order Comments	
Program: UST/PT	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> IRC <input type="checkbox"/> perfund
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:		Scoler 6-31 (12.26.2024)		Turn Around		ANALYSIS REQUEST													Preservative Codes									
Project Number:		2613		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code															None: NO DI Water: H <sub>2</sub> O							
Project Location		Eddy Co. NM		Due Date:		48 Hr TAT															Cool: Cool MeOH: Me							
Sampler's Name:		GPJ																			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 checked="" type="checkbox"/>		Well Ice:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>															H <sub>3</sub> PO <sub>4</sub> : HP					
Received Inact:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Thermometer ID:		#140															NaHSO <sub>4</sub> : NABIS							
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Correction Factor:		+ 0.3°C															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 checked="" type="checkbox"/>		Temperature Reading:		49.6															Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:		5.32															NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont															Sample Comments	
CS-11 (2.0')		4/1/2025				X				C		1		X														
CS-12 (2.0')		4/1/2025				X				C		1		X														
CS-13 (2.0')		4/1/2025				X				C		1		X														
CS-14 (2.0')		4/1/2025				X				C		1		X														
CS-15 (2.5') *		4/1/2025				X				C		1		X														
CS-16 (2.5') *		4/1/2025				X				C		1		X														
CS-17 (2.5') *		4/1/2025				X				C		1		X														
CS-18 (2.5') *		4/1/2025				X				C		1		X														
CS-19 (2.0')		4/1/2025				X				C		1		X														
CS-20 (2.0')		4/1/2025				X				C		1		X														

**Comments:**

\* Customer requested Depth Charge.

20. 4/4/25

Reinquired by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4.25 / 1995



Chain of Custody

Work Order No:

4251903

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Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marientfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & nathaniel.rose@coterra.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> IRC <input type="checkbox"/> Spenturf <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:		Scoler 6-31 (12.26.2024)		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:	2613	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		48 Hr TAT																None: NO	DI Water: H <sub>2</sub> O
Project Location:	Eddy Co, NM	Due Date:																		Cool: Cool	MeOH: Me
Sampler's Name:	GPJ																			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"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters														H <sub>2</sub> PO <sub>4</sub> : HP	
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140																	NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	+ 0.3°C																	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"/>	Temperature Reading:	4.9°C																	Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:	5.2°C																	NaOH+Ascorbic Acid: SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont													Sample Comments	
CS-21 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-22 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-23 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-24 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-25 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-26 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-27 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-28 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-29 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-30 (4.0')		4/1/2025		X		C	1	X	X	X											

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4/30/1405



Chain of Custody

Work Order No:

Has 1003

Page 4 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marlenfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & nathaniel.rose@coterra.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:		Scoler 6-31 (12.26.2024)		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:	2613	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Due Date: 48 Hr TAT																None: NO	DI Water: H <sub>2</sub> O
Project Location:	Eddy Co, NM																			Cool: Cool	MeOH: Me
Sampler's Name:	GPJ																			HCL: HC	HNO <sub>3</sub> : HN
PO #:																				H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters														H <sub>3</sub> PO <sub>4</sub> : HP	Hold
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:		Correction Factor:	#140															NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	N/A	Corrected Temperature:	4.9°C															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"/>	Corrected Temperature:	5.2°C																	Zn Acetate+NaOH: Zn	
Total Containers:																				NaOH+Ascorbic Acid: SACP	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-31 (4.0')		4/1/2025		X		C	1	X	X	X											
CS-32 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-33 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-34 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-35 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-36 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-37 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-38 (2.0')		4/1/2025		X		C	1	X	X	X											
CS-39 (2.0')		4/1/2025		X		C	1	X	X	X											
SW-1 (2.0')		4/1/2025		X		C	1	X	X	X											

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4/26/2025



Chain of Custody

Work Order No: H2519102

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Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luing
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marlenfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	<a href="mailto:laci.luing@coterra.com">laci.luing@coterra.com</a> & <a href="mailto:nathaniel.rose@coterra.com">nathaniel.rose@coterra.com</a>

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Spenturf <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:	Scoler 6-31 (12.26.2024)		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	2613		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														None: NO	DI Water: H <sub>2</sub> O
Project Location:	Eddy Co. NM		Due Date:	48 Hr TAT														Cool: Cool	MeOH: Me
Sampler's Name:	GPJ																	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"/>											Hold		
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:											NaHSO <sub>4</sub> : NABIS						
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input 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 type="checkbox"/> N/A <input 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
SW-2 (2.0')	4/1/2025		X		C	1	X	X	X										
SW-3 (2.0')	4/1/2025		X		C	1	X	X	X										
SW-4 (2.0')	4/1/2025		X		C	1	X	X	X										
SW-5 (2.0')	4/1/2025		X		C	1	X	X	X										
SW-6 (2.0')	4/1/2025		X		C	1	X	X	X										
SW-7 (2.0')	4/1/2025		X		C	1	X	X	X										
SW-8 (2.0')	4/1/2025		X		C	1	X	X	X										
SW-9 (2.0')	4/1/2025		X		C	1	X	X	X										
SW-10 (2.0')	4/1/2025		X		C	1	X	X	X										
SW-11 (2.0')	4/1/2025		X		C	1	X	X	X										

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4/30/2025



## Chain of Custody

**Work Order No.:**

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Project Manager:	Ashron Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Mariefield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@colterra.com & nathaniel.rose@colterra.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> ERC <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:				Scoler 6-31 (1/2.26.2024)				Turn Around				Pres. Code				ANALYSIS REQUEST												Preservative Codes															
Project Number:				2613				<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																				None: NO DI Water: H <sub>2</sub> O															
Project Location				Eddy Co., NM				Due Date:				48 Hr TAT																Cool: Cool MeOH: Me HCL: HC HNO <sub>3</sub> : HN H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na															
Sampler's Name:				GPJ																																							
PO #:																																											
SAMPLE RECEIPT				Temp Blank:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Wet Ice:				Yes <input type="checkbox"/> No <input type="checkbox"/>																H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC											
Received In tact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Thermometer ID:				#140																Hold															
Cooler Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/>				Correction Factor:				+ 0.3°C																															
Sample Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/>				Temperature Reading:				4.9°C																															
Total Containers:								Corrected Temperature:				5.2°C																															
Sample Identification				Date				Time				Soil				Water				Grab/ Comp				# of Cont																Sample Comments			
SW-12 (2.0')				4/1/2025								X								C				1				X												X			
SW-13 (2.0')				4/1/2025								X								C				1				X												X			
SW-14 (2.0')				4/1/2025								X								C				1				X												X			
SW-15 (2.0')				4/1/2025								X								C				1				X												X			
SW-16 (2.0')				4/1/2025								X								C				1				X												X			
SW-17 (2.0')				4/1/2025								X								C				1				X												X			
SW-18 (2.0')				4/1/2025								X								C				1				X												X			
SW-19 (2.0')				4/1/2025								X								C				1				X												X			
SW-20 (2.0')				4/1/2025								X								C				1				X												X			
SW-21 (2.0')				4/1/2025								X								C				1				X												X			

Comments:

Comments:			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			U.S.S. 1005



Chain of Custody

Work Order No: H351003


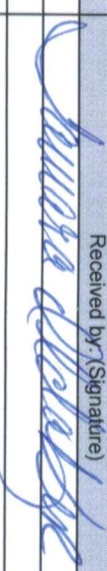
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Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marientfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & nathaniel.rose@coterra.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Spillfund <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:		Scoler 6-31 (12.26.2024)		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:	2613	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	48 Hr TAT																None: NO	DI Water: H <sub>2</sub> O
Project Location:	Eddy Co, NM	Due Date:																		Cool: Cool	MeOH: Me
Sample's Name:	GPI																			HCL: HC	HNO <sub>3</sub> : HN
PO #:																				H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters														H <sub>3</sub> PO <sub>4</sub> : HP	Hold
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140																	NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	+ 0.3°C																	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	4.9°C																	Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:	5.8°C																	NaOH+Ascorbic Acid: SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
SW-22 (2.0')		4/1/2025		X		C	1	X	X	X											
SW-23 (2.0')		4/1/2025		X		C	1	X	X	X											
SW-24 (2.0')		4/1/2025		X		C	1	X	X	X											
SW-25 (2.0')		4/1/2025		X		C	1	X	X	X											
SW-26 (4.0')		4/1/2025		X		C	1	X	X	X											
SW-27 (2.0'-4.0')		4/1/2025		X		C	1	X	X	X											
SW-28 (4.0')		4/1/2025		X		C	1	X	X	X											
SW-29 (2.0'-4.0')		4/1/2025		X		C	1	X	X	X											
SW-30 (2.0')		4/1/2025		X		C	1	X	X	X											
SW-31 (2.0')		4/1/2025		X		C	1	X	X	X											

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4/3/25/11:05



**Work Order No.:**

Aspa

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**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐



State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other:

[illegible]

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-3-26/1405

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 452457

**QUESTIONS**

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 452457
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nRM2015743815
Incident Name	NRM2015743815 SCOTER 6-31 FEDERAL COM 7H, 43H, 44H BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2127341529] SCOTER 6-31 FED COM

**Location of Release Source**

Please answer all the questions in this group.

Site Name	SCOTER 6-31 FEDERAL COM 7H, 43H, 44H BATTERY
Date Release Discovered	05/24/2020
Surface Owner	Federal

**Incident Details**

Please answer all the questions in this group.

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

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pump   Produced Water   Released: 85 BBL   Recovered: 1 BBL   Lost: 84 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 452457

**QUESTIONS (continued)**

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 452457
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 04/15/2025
--	--

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 452457

**QUESTIONS (continued)**

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 452457
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	3320
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	199
GRO+DRO (EPA SW-846 Method 8015M)	174
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	03/24/2025
On what date will (or did) the final sampling or liner inspection occur	04/09/2025
On what date will (or was) the remediation complete(d)	04/15/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	425
What is the estimated surface area (in square feet) that will be remediated	7740
What is the estimated volume (in cubic yards) that will be remediated	650
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	



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**Santa Fe, NM 87505**

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Action 452457

**QUESTIONS (continued)**

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 452457
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 04/15/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Action 452457

**QUESTIONS (continued)**

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 452457
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The entire containment area including piping inside the containment, including tanks and production equipment would need to be removed to remove all contamination under the tank battery containment. Everything that was outside of the containment area was remediated and we are deferring everything that may be impacted under the containment area until P/A activities. See Sec. 5.0 of closure report. Approx 4,600 sqft & 425cubic yards of contaminated material is estimated to be left in place under the tank battery.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	4600
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	425
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	SCOTER 6-31 FED COM [fAPP2127341529]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 04/15/2025

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Action 452457

**QUESTIONS (continued)**

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 452457
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	449131
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/09/2025
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	650

**Remediation Closure Request**

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 452457

**CONDITIONS**

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 452457
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	Cimarex's deferral requests final remediation for (Incident Number NRM2015743815) until final reclamation of the well pad or major construction, whichever comes first. Carmona and Cimarex do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The impacted soil is the shaded area on figure 5 that is next to active facility equipment, where remediation would require a major facility deconstruction. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and placed in the incident file. The release will remain open in OCD database files and reflect an open environmental issue.	4/16/2025