



SITE INFORMATION

Closure Report
Sun State Com #502H (10.31.2025)
Incident ID: nAPP2530470349
Lea County, New Mexico
Unit K Sec 24 T19S R35E
32.644764°, -103.410898°

Crude Oil & Produced Water Release

Point of Release: Enviro-Pot Came Off Pumping Unit Resulting in the Release

Release Date: 10.31.2025

Volume Released: 22 Barrels of Crude Oil and 30 barrels of Produced Water

Volume Recovered: 15 Barrels of Crude Oil and 20 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Coterra Energy Operating Co.
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December 3, 2025

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

Re: Closure Report
Sun State Com #502H (10.31.2025)
Incident ID: nAPP2530470349
Coterra Energy Operating Co.
Site Location: Unit K, S24, T19S, R35E
(Lat 32.644764°, Long -103.410898°)
Lea County, New Mexico

To whom it may concern:

On behalf of Coterra Energy Operating Co. (Coterra) Carmona Resources LLC has prepared this letter to document site assessment and remediation activities for the Sun State Com #502H release. The site is located at 32.644764°, -103.410898° within Unit K, S24, T19S, R35E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on October 31, 2025, due to the enviro-pot coming off the pumping unit. It resulted in approximately twenty-two (22) barrels of crude oil and thirty (30) barrels of produced water being released. Approximately fifteen (15) barrels of crude oil and twenty (20) barrels of produced water were recovered from the well pad. The spill boundaries are shown in Figure 3. The Notification of Release and Initial C-141 forms are attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are multiple water sources within a 0.50-mile radius of the location. The nearest water well is located approximately 0.32 miles East of the site in S24, T19S, R35E and was drilled in 1976. Water was detected at a depth of 17.39' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing 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 November 7, 2025, Carmona Resources personnel performed site assessment activities with the use of hand tools to horizontally delineate the release area. A total of four (4) horizontal samples (H-1 through H-4) were installed to total depths ranging from surface to 0.5 ft bgs surrounding the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into



laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Labs in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and Chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Horizontal Delineation

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

5.0 Remediation Activities

Carmona Resources personnel were onsite to guide the remediation activities and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on November 17, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas were excavated to depths of 1.5' and 1.75' bgs. A total of fifty-three (53) confirmation floor samples (CS-1 through CS-53), and sixteen (16) sidewall samples (SW-1 through SW-16) were collected every 200 square feet to ensure the proper removal of the contaminated soil. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4A-4B.

All final confirmation samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 9,165 square feet of contamination was remediated, resulting in 510 cubic yards of material excavated and transported offsite for proper disposal. A composite backfill sample from a stockpile of material found onsite from building the well pad, located at 32.644271°, -103.412527°, was collected for laboratory analysis on December 1, 2025, before being utilized. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 2.

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

Ashton Thielke
Environmental Manager

Gilbert Priego
Project Manager

FIGURES

CARMONA RESOURCES





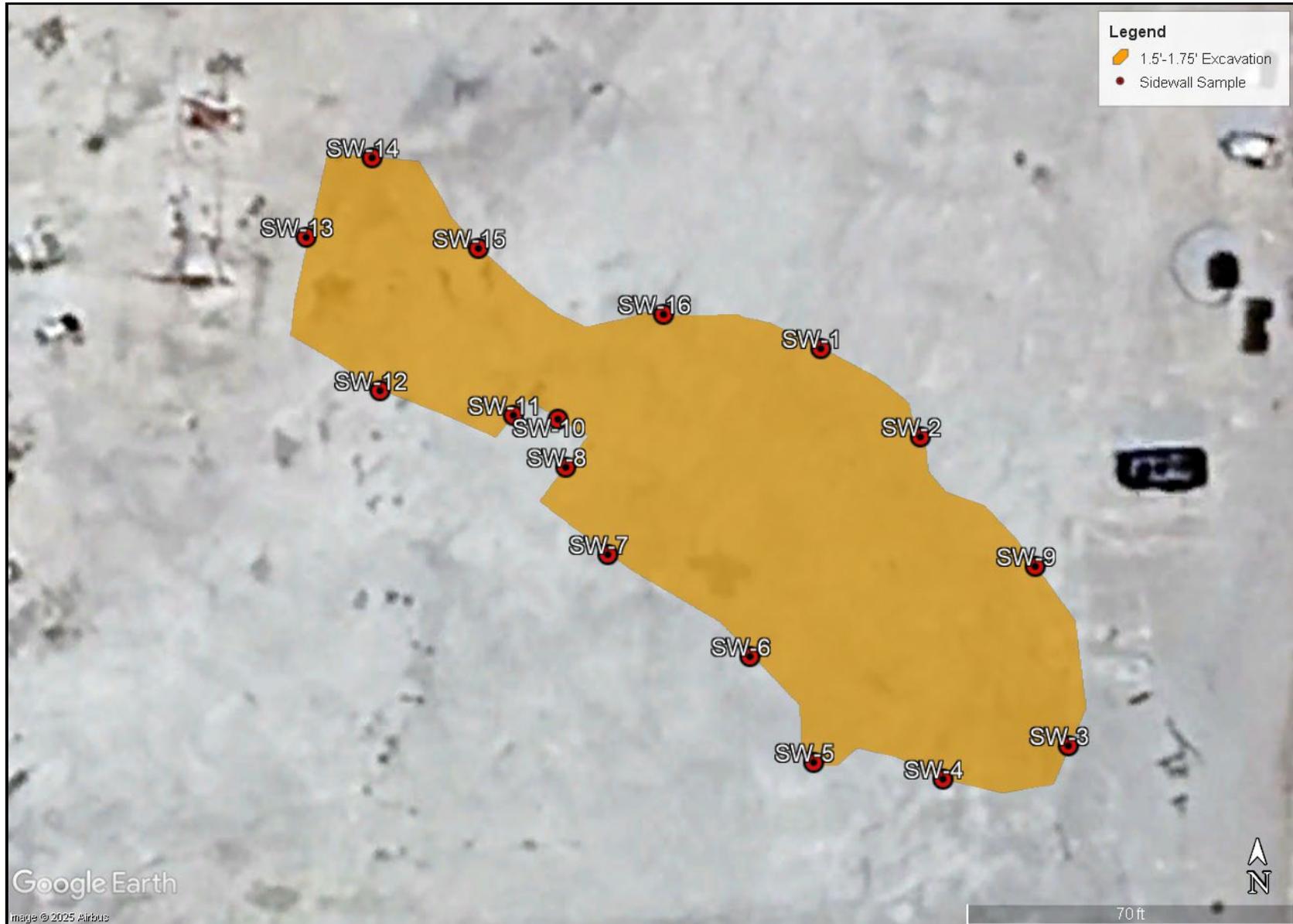
<p>OVERVIEW MAP COTERRA ENERGY OPERATING CO. SUN STATE COM #502H LEA COUNTY, NEW MEXICO 32.644764° , - 103.410898°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 1</p>
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<p>SAMPLE LOCATION MAP COTERRA ENERGY OPERATING CO. SUN STATE COM #502H LEA COUNTY, NEW MEXICO 32.644764°, - 103.410898°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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<p>EXCAVATION DEPTH MAP COTERRA ENERGY OPERATING CO. SUN STATE COM #502H LEA COUNTY, NEW MEXICO 32.644764° , - 103.410898°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4A</p>
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<p>EXCAVATION DEPTH MAP COTERRA ENERGY OPERATING CO. SUN STATE COM #502H LEA COUNTY, NEW MEXICO 32.644764°, - 103.410898°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4B</p>
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APPENDIX A

CARMONA RESOURCES



Table 1
Coterra Energy Operating Co.
Sun State Com #502H
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	11/7/2025	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	111
H-2	11/7/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43.3
H-3	11/7/2025	0-0.5'	<49.6	62.1	<49.6	62.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	23.1
H-4	11/7/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.0
H-5	11/7/2025	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	42.0
H-6	11/7/2025	0-0.5'	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	201
<i>Regulatory Criteria</i> ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^A – Table 1 - 19.15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 (H) - Horizontal Sample

Table 2
Coterra Energy Operating Co.
Sun State Com #502H
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-3	11/19/2025	1.5'	<10.0	27.8	<10.0	27.8	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-5	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-6	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-7	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-8	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-9	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-10	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-11	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-12	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-13	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-14	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-15	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-16	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-17	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-18	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-19	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-20	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-21	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-22	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-23	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-24	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-25	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-26	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	0.052	<0.050	<0.150	<0.300	16.0
CS-27	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-28	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
<i>Regulatory Criteria^A</i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(CS) - Confirmation Sample

Table 2
Coterra Energy Operating Co.
Sun State Com #502H
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-29	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-30	11/19/2025	1.5'	<10.0	14.0	<10.0	14.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-31	11/19/2025	1.5'	<10.0	76.2	11.6	87.8	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-32	11/19/2025	1.5'	<10.0	29.7	<10.0	29.7	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-33	11/19/2025	1.5'	<10.0	284	60.2	344	<0.050	<0.050	<0.050	<0.150	<0.300	272
	11/26/2025	1.75'	<10.0	46.1	<10.0	46.1	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-34	11/19/2025	1.5'	<10.0	19.9	<10.0	19.9	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-35	11/19/2025	1.5'	<10.0	59.8	12.2	72.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-36	11/19/2025	1.5'	<10.0	14.5	<10.0	14.5	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-37	11/19/2025	1.5'	<10.0	22.3	<10.0	22.3	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-38	11/19/2025	1.5'	<10.0	30.6	<10.0	30.6	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-39	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-40	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-41	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-42	11/19/2025	1.5'	<10.0	17.3	<10.0	17.3	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-43	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	0.091	0.112	0.153	0.356	64.0
CS-44	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-45	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-46	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-47	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-48	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-49	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-50	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-51	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	0.095	<0.150	<0.300	80.0
CS-52	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-53	11/19/2025	1.5'	<10.0	12.1	<10.0	12.1	<0.050	<0.050	<0.050	<0.150	<0.300	160
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^A - Table 1 - 19.15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 (CS) - Confirmation Sample
 Removed

Table 2
Coterra Energy Operating Co.
Sun State Com #502H
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-2	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-3	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	11/19/2025	1.5'	<10.0	52.4	<10.0	52.4	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-5	11/19/2025	1.5'	<10.0	70.3	<10.0	70.3	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-6	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-7	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-8	11/19/2025	1.5'	<10.0	53.1	<10.0	53.1	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-9	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-10	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-11	11/19/2025	1.5'	<10.0	51.1	<10.0	51.1	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-12	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-13	11/19/2025	1.5'	<10.0	10.2	<10.0	10.2	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-14	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-15	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-16	11/19/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Backfill	12/1/2025	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	10.6
<i>Regulatory Criteria^A</i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^A - Table 1 - 19.15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 (SW) - Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Coterra Energy Operating Co

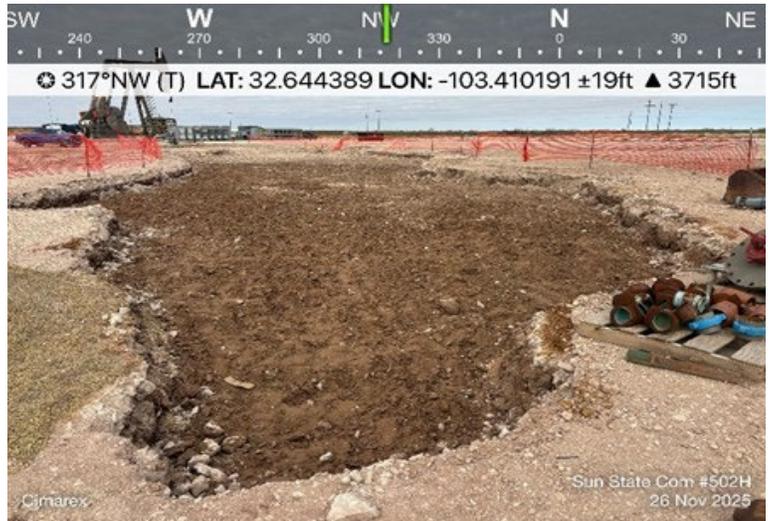
Photograph No. 1

Facility: Sun State Com #502H

County: Lea County, New Mexico

Description:

View Northwest, excavated area of CS-1 through CS-10.



Photograph No. 2

Facility: Sun State Com #502H

County: Lea County, New Mexico

Description:

View Northeast, excavated area of CS-10 through CS-30.



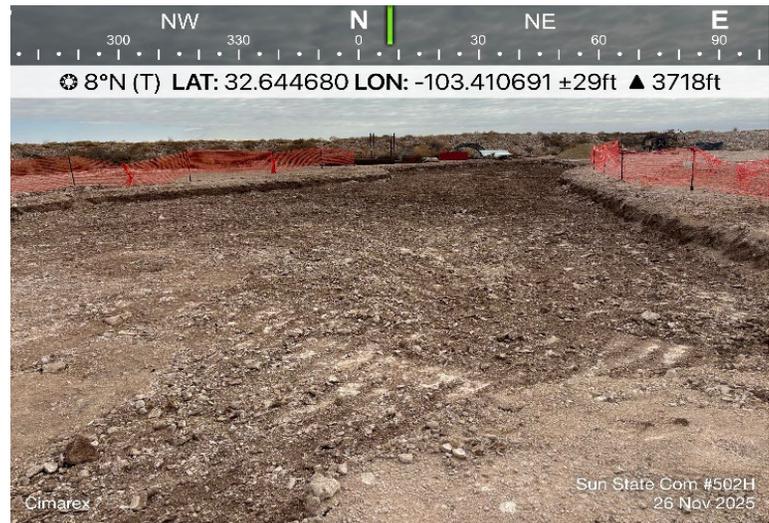
Photograph No. 3

Facility: Sun State Com #502H

County: Lea County, New Mexico

Description:

View North, excavated area of CS-10 through CS-53.



PHOTOGRAPHIC LOG

Coterra Energy Operating Co

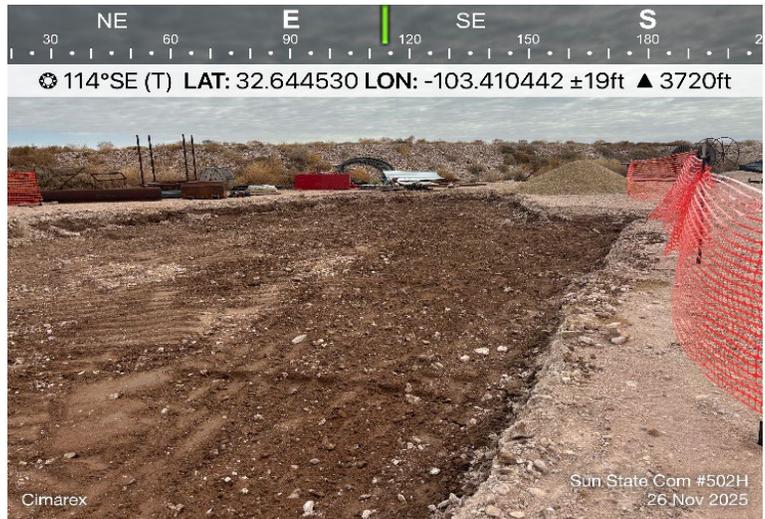
Photograph No. 4

Facility: Sun State Com #502H

County: Lea County, New Mexico

Description:

View Southeast, excavated area of CS-30 through CS-39.



Photograph No. 5

Facility: Sun State Com #502H

County: Lea County, New Mexico

Description:

View Northwest, excavated area of CS-30 through CS-53.



Photograph No. 6

Facility: Sun State Com #502H

County: Lea County, New Mexico

Description:

View Southeast, excavated area of CS-1 through CS-53.



APPENDIX C

CARMONA RESOURCES



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 522259

QUESTIONS

Operator: Coterra Energy Operating E LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 331595
	Action Number: 522259
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Sun State Com 502H
Date Release Discovered	10/31/2025
Surface Owner	Private

Incident Details	
<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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Well Crude Oil Released: 22 BBL Recovered: 15 BBL Lost: 7 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Well Produced Water Released: 30 BBL Recovered: 20 BBL Lost: 10 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)	We had a reportable release at the Sun State Com 502H due to the enviro-pot coming off the pumping unit for reasons unknown at this time. Upon the Operator's arrival at the location, he found the well releasing fluid onto the well pad. The Operator immediately responded to shut the well in and stop the flow. Further investigation found a tubing pressure drop at 7:00 PM on 10/30/2025. The well did not ESD due to tubing pressure remaining at 60 psi, with the low pressure kill set at 10 psi. In total, 52 barrels of fluid were released onto the well pad, with all fluids contained on the pad. Vac trucks were able to recover 35 barrels of fluid. We will be scheduling an assessment and remediation of the affected area in the coming weeks.

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 522259

QUESTIONS (continued)

Operator: Coterra Energy Operating E LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 331595
	Action Number: 522259
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response

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

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

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

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

ACKNOWLEDGMENTS

Action 522259

ACKNOWLEDGMENTS

Operator: Coterra Energy Operating E LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 331595
	Action Number: 522259
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 522259

CONDITIONS

Operator: Coterra Energy Operating E LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 331595
	Action Number: 522259
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
lluig	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	10/31/2025



COTERRA ENERGY
SUN STATE COM 502H
LEA, NM

5:58



< Home

Standing Liquid Calculation

Sun State Com 502H			
L(Ft)	W(Ft)	D(In)	Oil %
270	52	.25	43



H₂O Spill Total: 29.69 Bbls

Oil Spill Total: 22.40 Bbls

Total Spilled: 52.09 Bbls

Total Spilled: 2,187.90 Gals

Add Section to Spill



COTERRA ENERGY
SUN STATE COM 502H
LEA, NM





COTERRA ENERGY
SUN STATE COM 502H
LEA, NM



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

QUESTIONS

Action 524740

QUESTIONS

Operator: Coterra Energy Operating E LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 331595
	Action Number: 524740
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2530470349
Incident Name	NAPP2530470349 SUN STATE COM 502H @ 30-025-51880
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-51880] SUN STATE COM #502H

Location of Release Source

Please answer all the questions in this group.

Site Name	Sun State Com 502H
Date Release Discovered	10/31/2025
Surface Owner	Private

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	Cause: Equipment Failure Well Crude Oil Released: 22 BBL Recovered: 15 BBL Lost: 7 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Well Produced Water Released: 30 BBL Recovered: 20 BBL Lost: 10 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)	We had a reportable release at the Sun State Com 502H due to the enviro-pot coming off the pumping unit for reasons unknown at this time. Upon the Operator's arrival at the location, he found the well releasing fluid onto the well pad. The Operator immediately responded to shut the well in and stop the flow. Further investigation found a tubing pressure drop at 7:00 PM on 10/30/2025. The well did not ESD due to tubing pressure remaining at 60 psi, with the low pressure kill set at 10 psi. In total, 52 barrels of fluid were released onto the well pad, with all fluids contained on the pad. Vac trucks were able to recover 35 barrels of fluid. We will be scheduling an assessment and remediation of the affected area in the coming weeks.

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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 524740

QUESTIONS (continued)

Operator: Coterra Energy Operating E LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 331595
	Action Number: 524740
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

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: Laci Luig Title: ES&H Specialist Email: DL_PerminEnvironmental@coterra.com Date: 11/10/2025
--	--

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

QUESTIONS, Page 3

Action 524740

QUESTIONS (continued)

Operator: Coterra Energy Operating E LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 331595
	Action Number: 524740
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	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.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
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.

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 524740

CONDITIONS

Operator: Coterra Energy Operating E LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 331595
	Action Number: 524740
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	11/12/2025

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 527309

QUESTIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 527309
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2530470349
Incident Name	NAPP2530470349 SUN STATE COM 502H @ 30-025-51880
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-51880] SUN STATE COM #502H

Location of Release Source	
Site Name	Sun State Com 502H
Date Release Discovered	10/31/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	11,000
What is the estimated number of samples that will be gathered	70
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/19/2025
Time sampling will commence	03:00 PM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988
Please provide any information necessary for navigation to sampling site	32.644764,-103.410898

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 527309

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 527309
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
athielke	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.	11/17/2025
athielke	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	11/17/2025

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

QUESTIONS

Action 527312

QUESTIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 527312
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2530470349
Incident Name	NAPP2530470349 SUN STATE COM 502H @ 30-025-51880
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-51880] SUN STATE COM #502H

Location of Release Source	
Site Name	Sun State Com 502H
Date Release Discovered	10/31/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	11,000
What is the estimated number of samples that will be gathered	70
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/20/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988
Please provide any information necessary for navigation to sampling site	32.644764,-103.410898

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

CONDITIONS

Action 527312

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 527312
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
athielke	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.	11/17/2025
athielke	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	11/17/2025

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

QUESTIONS

Action 529260

QUESTIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 529260
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2530470349
Incident Name	NAPP2530470349 SUN STATE COM 502H @ 30-025-51880
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-51880] SUN STATE COM #502H

Location of Release Source	
Site Name	Sun State Com 502H
Date Release Discovered	10/31/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	125
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/26/2025
Time sampling will commence	08:45 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988 Recollection of CS-33 @1.75' after it has been scraped 3 inches from 1.5' to 1.75'
Please provide any information necessary for navigation to sampling site	32.644764,-103.410898

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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

CONDITIONS

Action 529260

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 529260
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
athielke	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.	11/24/2025
athielke	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	11/24/2025

APPENDIX D

CARMONA RESOURCES

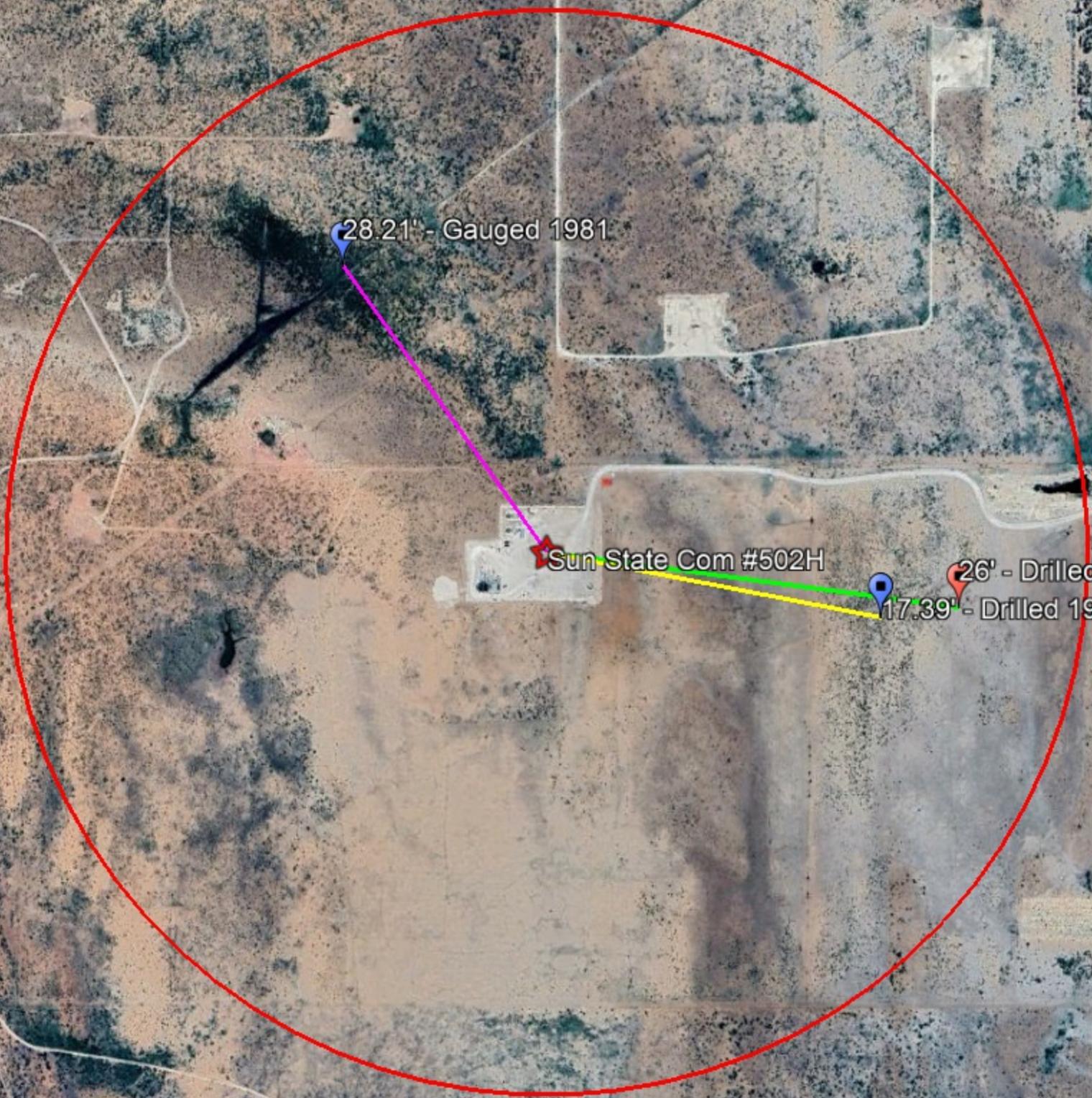


Nearest water well

Coterra Energy Operating Co.

Legend

- 0.32 Miles
- 0.33 Miles
- 0.39 Miles
- 0.50 Mile Radius
- NMSEO Water Well
- ★ Sun State Com #502H
- USGS Water Well



Legend

- Low
- Sun State Com #502H

Low Karst

Coterra Energy Operating Co.

Sun State Com #502H





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)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
L 04596		L	LE		NE	SE	24	19S	35E	649667.0	3612949.0 *	●	623	56	26	30
L 01755	R	L	LE	NE	NE	SE	24	19S	35E	649766.0	3613048.0 *	●	719	56	20	36
L 04604		L	LE	NE	NE	SE	24	19S	35E	649766.0	3613048.0 *	●	719	55	22	33
L 04604 S		L	LE	NE	NE	SE	24	19S	35E	649766.0	3613048.0 *	●	719	56	22	34
L 04604 S2		L	LE	NE	NE	SE	24	19S	35E	649766.0	3613048.0 *	●	719	56	22	34
L 04604 S6		L	LE	NE	NE	SE	24	19S	35E	649766.0	3613048.0 *	●	719	57	22	35
L 01755 POD2		L	LE	SE	NE	SE	24	19S	35E	649766.0	3612848.0 *	●	739	55	20	35
L 04604 S3		L	LE	SE	NE	SE	24	19S	35E	649766.0	3612848.0 *	●	739	56	22	34
L 04604 S4		L	LE	SE	NE	SE	24	19S	35E	649766.0	3612848.0 *	●	739	57	22	35
L 04604 S5		L	LE	NE	SE	SE	24	19S	35E	649772.0	3612645.0 *	●	816	55	22	33
L 01879		L	LE	SW	NW	NW	19	19S	36E	649958.0	3613660.0 *	●	1112	58		
L 01756		L	LE	NW	SW	SE	13	19S	35E	649145.0	3614253.0 *	●	1235	56	28	28
L 11560		L	LE		SE	SE	13	19S	35E	649650.0	3614160.0 *	●	1287	39	27	12
L 02185		L	LE	SW	NE	NW	19	19S	36E	650298.8	3613667.7	●	1408	58	16	42
L 01757		L	LE	NW	NE	NW	30	19S	36E	650362.0	3612254.0 *	●	1522	55	18	37
L 15685 POD1		L	LE	NE	NE	SW	13	19S	35E	648976.5	3614679.5	●	1659	60	37	23
L 13115 POD1		L	LE	NE	NE	NW	19	19S	36E	650457.4	3613934.7	●	1679	47	17	30
L 03715		L	LE	NE	NE	NW	30	19S	36E	650562.0	3612254.0 *	●	1698	53	20	33
L 03716		L	LE	NE	NE	NW	30	19S	36E	650562.0	3612254.0 *	●	1698	55	19	36
L 04563		L	LE	NE	NE	SE	13	19S	35E	649743.0	3614662.0 *	●	1781	56	24	32
L 00049		L	LE		NW	SE	19	19S	36E	650853.0	3612969.0 *	●	1806	70		
L 01278		L	LE	NE	NW	SE	19	19S	36E	650952.0	3613068.0 *	●	1905	50	18	32
L 08124		L	LE	SE	SE	SE	25	19S	35E	649795.0	3610833.0 *	●	2312	125	58	67
L 06801		L	LE			SW	14	19S	35E	647027.0	3614322.0 *	●	2402	92		
L 10038		L	LE		NW	NW	20	19S	36E	651647.0	3613792.0 *	●	2711	50	50	0
L 04382		L	LE		SE	NW	20	19S	36E	652058.0	3613395.0 *	●	3033	70		
L 12041 POD1		L	LE	SW	SE	SW	07	19S	36E	650359.2	3615781.5	●	3055	80	37	43
L 00512		L	LE	NE	NE	SW	32	19S	36E	652121.5	3612623.2	●	3099	50	40	10
L 09700		L	LE		NW	NW	14	19S	35E	646808.0	3615332.0 *	●	3217	140	27	113
L 04290		L	LE	SW	SE	NW	22	19S	35E	645528.0	3613198.0 *	●	3523	45	18	27
L 04583		L	LE		SE	SW	15	19S	35E	645617.0	3614107.0 *	●	3597	55	18	37
L 00011		L	LE	SW	NW	NW	32	19S	36E	651602.0	3610461.0 *	●	3617	42		
L 15155 POD1		L	LE	SE	SW	SW	22	19S	35E	645412.8	3612470.5	●	3676	69	35	34
L 02329		L	LE		SW	NW	07	19S	36E	650017.0	3616588.0 *	●	3695	112	50	62
L 15902 POD1		L	LE	SE	SW	SW	22	19S	35E	645392.3	3612448.6	●	3699	52	32	20
L 15878 POD1		L	LE	SE	SW	NW	22	19S	35E	645240.8	3613166.6	●	3809	50	30	20
L 08793		L	LE		NW	NE	15	19S	35E	646002.0	3615322.0 *	●	3816	50	40	10
L 03844		L	LE		NW	SW	22	19S	35E	645232.0	3612891.0 *	●	3817	71	27	44
L 03843		L	LE		SW	SW	22	19S	35E	645238.0	3612487.0 *	●	3846	73	27	46

(A CLW#####
 in the POD suffix
 indicates (R=POD has
 the POD has been been
 replaced replaced,
 & no longer O=orphaned,
 serves a water C=the file is
 right file.) closed)

(quarters are
 smallest to
 largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
L 04101		L	LE		SW	SW	22	19S	35E	645238.0	3612487.0 *	●	3846	50	35	15
L 02250		L	LE	NW	SW	SW	22	19S	35E	645137.0	3612586.0 *	●	3934	50	20	30
L 09468		L	LE		SW	SW	15	19S	35E	645214.0	3614102.0 *	●	3982	52	28	24

Average Depth to Water: **27 feet**

Minimum Depth: **16 feet**

Maximum Depth: **58 feet**

Record Count: 42

UTM Filters (in meters):

Easting: 649047.36

Northing: 3613021.70

Radius: 4000

* UTM location was derived from PLSS - see Help

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
• 323838103242001

Minimum number of levels = 1

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USGS 323838103242001 19S.35E.24.24131

Lea County, New Mexico

Latitude 32°38'38", Longitude 103°24'20" NAD27

Land-surface elevation 3,700 feet above NAVD88

This well is completed in the High Plains aquifer (N100HGHLN) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1976-02-04			D 62610		3681.10	NGVD29	1	Z			A
1976-02-04			D 62611		3682.61	NAVD88	1	Z			A
1976-02-04			D 72019	17.39			1	Z			A

Explanation

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

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0.36 0.3 nadww01



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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
• 323855103245101

Minimum number of levels = 1

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USGS 323855103245101 19S.35E.24.12111

Lea County, New Mexico

Latitude 32°38'55", Longitude 103°24'51" NAD27

Land-surface elevation 3,724 feet above NAVD88

This well is completed in the High Plains aquifer (N100HGHPN) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1953-11-16			D 62610		3693.76	NGVD29	1	Z			A
1953-11-16			D 62611		3695.28	NAVD88	1	Z			A
1953-11-16			D 72019	28.72			1	Z			A
1961-03-03			D 62610		3696.62	NGVD29	1	Z			A
1961-03-03			D 62611		3698.14	NAVD88	1	Z			A
1961-03-03			D 72019	25.86			1	Z			A
1966-02-10			D 62610		3694.44	NGVD29	1	Z			A
1966-02-10			D 62611		3695.96	NAVD88	1	Z			A
1966-02-10			D 72019	28.04			1	Z			A
1971-01-27			D 62610		3695.62	NGVD29	1	Z			A
1971-01-27			D 62611		3697.14	NAVD88	1	Z			A
1971-01-27			D 72019	26.86			1	Z			A
1976-06-11			D 62610		3695.62	NGVD29	1	Z			A
1976-06-11			D 62611		3697.14	NAVD88	1	Z			A
1976-06-11			D 72019	26.86			1	Z			A
1977-03-10			D 62610		3696.29	NGVD29	1	Z			A
1977-03-10			D 62611		3697.81	NAVD88	1	Z			A
1977-03-10			D 72019	26.19			1	Z			A
1981-06-04			D 62610		3694.27	NGVD29	1	Z			A
1981-06-04			D 62611		3695.79	NAVD88	1	Z			A
1981-06-04			D 72019	28.21			1	Z			A

Explanation

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

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 0.37 0.3 nadww01

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	L 04596		NE	SE	24	19S	35E	649667.0	3612949.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	14	Driller Company:	D& C WATER WELL DRILLING		
Driller Name:	BARTON, J E				
Drill Start Date:	1961-08-29	Drill Finish Date:	1961-08-29	Plug Date:	
Log File Date:	1963-02-13	PCW Rcv Date:	1963-02-14	Source:	Shallow
Pump Type:	TURBIN	Pipe Discharge Size:	Estimated Yield:		
Casing Size:		Depth Well:	56	Depth Water:	26

Water Bearing Stratifications:

Top	Bottom	Description
26	40	Sandstone/Gravel/Conglomerate
40	56	Sandstone/Gravel/Conglomerate

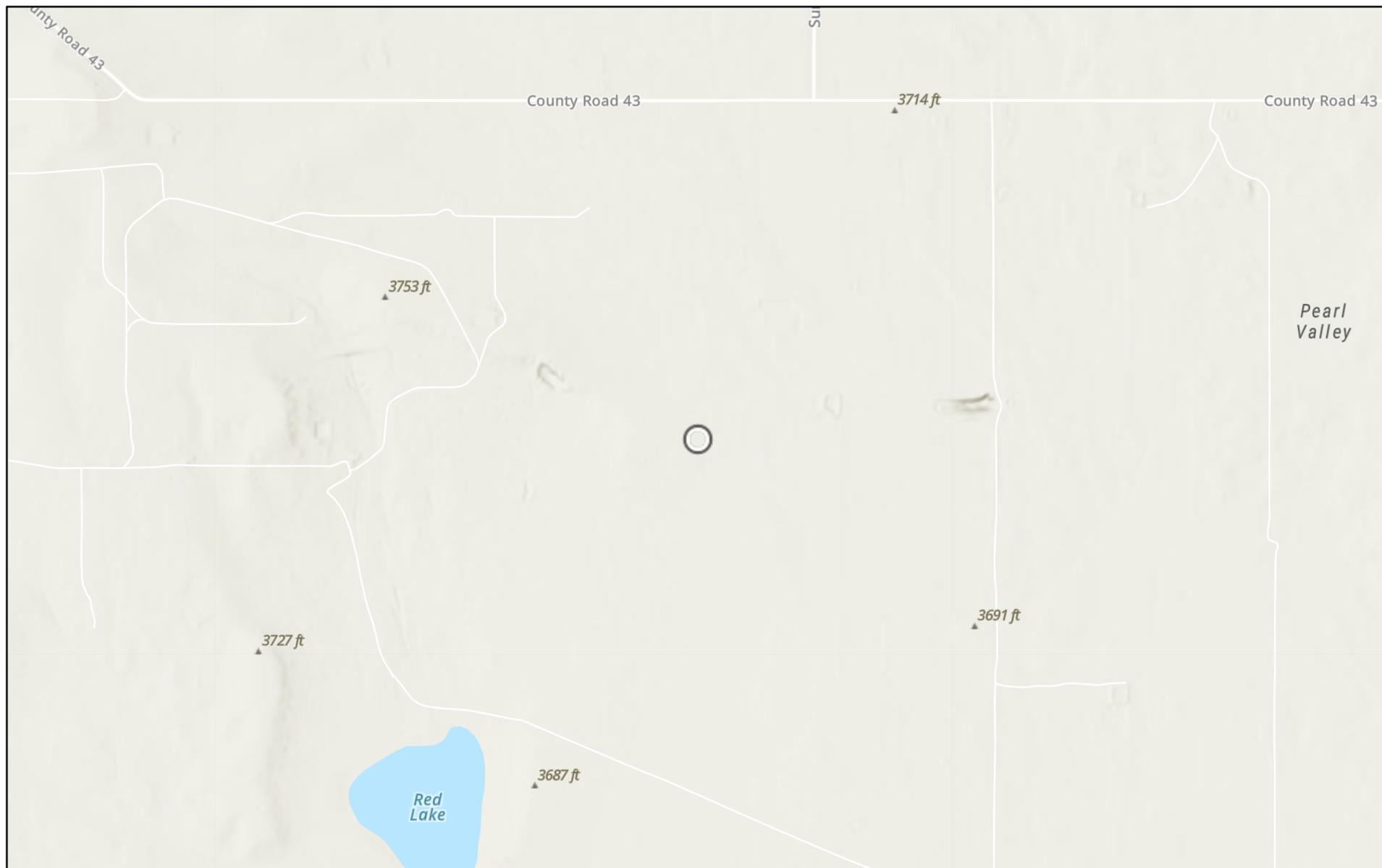
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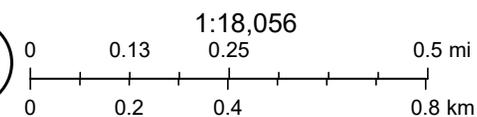
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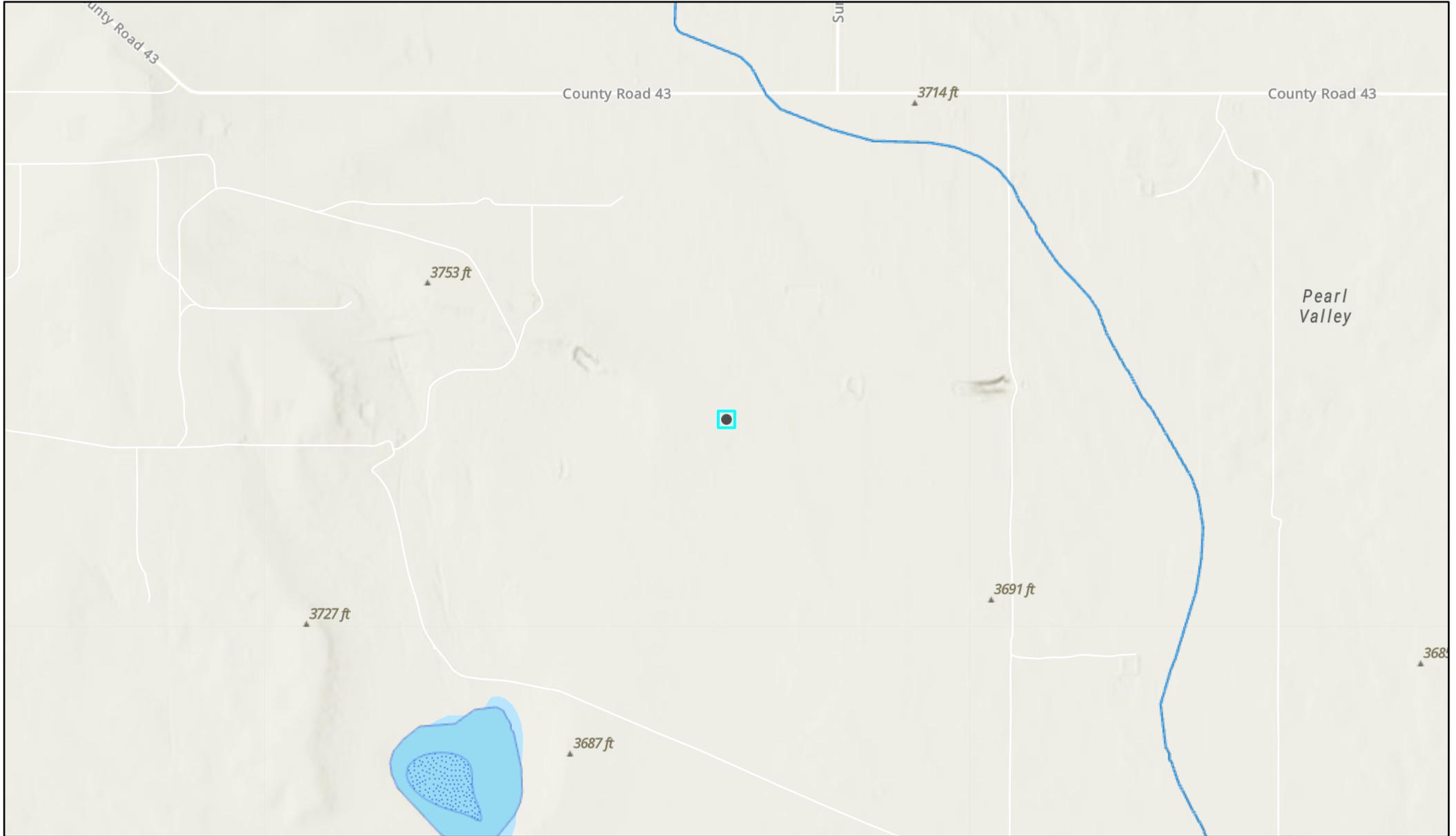
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World_Hillshade



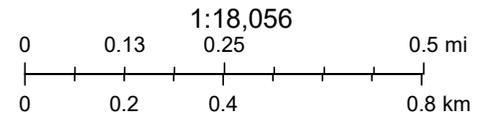
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- OSW Water Bodies
- OSE Probable Playas
- OSE Streams



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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

SUN STATE COM #502H (10.31.2025)
 3058

JOB NUMBER

890-9048-1

Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization



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

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Client: Carmona Resources
Project/Site: SUN STATE COM #502H (10.31.2025)

Laboratory Job ID: 890-9048-1
SDG: 3058

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1

Job ID: 890-9048-1

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Job Narrative 890-9048-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/7/2025 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H - 1 (0-0.5') (890-9048-1), H - 2 (0-0.5') (890-9048-2), H - 3 (0-0.5') (890-9048-3), H - 4 (0-0.5') (890-9048-4), H - 5 (0-0.5') (890-9048-5) and H - 6 (0-0.5') (890-9048-6).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-123431 and analytical batch 880-123441 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-123431 and analytical batch 880-123441 recovered outside control limits for the following analytes: Ethylbenzene.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H - 1 (0-0.5') (890-9048-1), H - 2 (0-0.5') (890-9048-2), H - 3 (0-0.5') (890-9048-3), H - 4 (0-0.5') (890-9048-4), H - 5 (0-0.5') (890-9048-5) and H - 6 (0-0.5') (890-9048-6). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-123383 and analytical batch 880-123390 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

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

Lab Sample ID: 890-9048-1

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/10/25 09:25	11/10/25 12:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/25 09:25	11/10/25 12:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/25 09:25	11/10/25 12:55	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/10/25 09:25	11/10/25 12:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/25 09:25	11/10/25 12:55	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/10/25 09:25	11/10/25 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	11/10/25 09:25	11/10/25 12:55	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/10/25 09:25	11/10/25 12:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/10/25 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/08/25 22:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/08/25 07:58	11/08/25 22:10	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/08/25 07:58	11/08/25 22:10	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/08/25 07:58	11/08/25 22:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	62	S1-	70 - 130	11/08/25 07:58	11/08/25 22:10	1
o-Terphenyl (Surr)	83		70 - 130	11/08/25 07:58	11/08/25 22:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		10.1		mg/Kg			11/10/25 12:48	1

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

Lab Sample ID: 890-9048-2

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/25 09:25	11/10/25 13:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/25 09:25	11/10/25 13:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/25 09:25	11/10/25 13:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/25 09:25	11/10/25 13:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/25 09:25	11/10/25 13:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/25 09:25	11/10/25 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	11/10/25 09:25	11/10/25 13:15	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/10/25 09:25	11/10/25 13:15	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

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

Lab Sample ID: 890-9048-2

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/25 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/25 22:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/08/25 07:58	11/08/25 22:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/08/25 07:58	11/08/25 22:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/08/25 07:58	11/08/25 22:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	63	S1-	70 - 130	11/08/25 07:58	11/08/25 22:23	1
o-Terphenyl (Surr)	84		70 - 130	11/08/25 07:58	11/08/25 22:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.3		10.0		mg/Kg			11/10/25 13:38	1

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

Lab Sample ID: 890-9048-3

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/25 09:25	11/10/25 13:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/25 09:25	11/10/25 13:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/25 09:25	11/10/25 13:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/25 09:25	11/10/25 13:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/25 09:25	11/10/25 13:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/25 09:25	11/10/25 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	11/10/25 09:25	11/10/25 13:36	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/10/25 09:25	11/10/25 13:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/25 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.1		49.6		mg/Kg			11/08/25 22:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/08/25 07:58	11/08/25 22:38	1
Diesel Range Organics (Over C10-C28)	62.1		49.6		mg/Kg		11/08/25 07:58	11/08/25 22:38	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

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

Lab Sample ID: 890-9048-3

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/08/25 07:58	11/08/25 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	61	S1-	70 - 130				11/08/25 07:58	11/08/25 22:38	1
o-Terphenyl (Surr)	81		70 - 130				11/08/25 07:58	11/08/25 22:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.1		9.96		mg/Kg			11/10/25 13:44	1

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

Lab Sample ID: 890-9048-4

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/25 10:00	11/10/25 13:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/25 10:00	11/10/25 13:16	1
Ethylbenzene	<0.00200	U * - *1	0.00200		mg/Kg		11/10/25 10:00	11/10/25 13:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/25 10:00	11/10/25 13:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/25 10:00	11/10/25 13:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/25 10:00	11/10/25 13:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				11/10/25 10:00	11/10/25 13:16	1
1,4-Difluorobenzene (Surr)	104		70 - 130				11/10/25 10:00	11/10/25 13:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/10/25 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/25 22:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/08/25 07:58	11/08/25 22:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/08/25 07:58	11/08/25 22:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/08/25 07:58	11/08/25 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	65	S1-	70 - 130				11/08/25 07:58	11/08/25 22:52	1
o-Terphenyl (Surr)	86		70 - 130				11/08/25 07:58	11/08/25 22:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.0		9.98		mg/Kg			11/10/25 13:49	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

Client Sample ID: H - 5 (0-0.5')

Lab Sample ID: 890-9048-5

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/25 10:00	11/10/25 13:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/25 10:00	11/10/25 13:36	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		11/10/25 10:00	11/10/25 13:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/25 10:00	11/10/25 13:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/25 10:00	11/10/25 13:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/25 10:00	11/10/25 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	11/10/25 10:00	11/10/25 13:36	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/10/25 10:00	11/10/25 13:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/10/25 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/08/25 23:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/08/25 07:58	11/08/25 23:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/08/25 07:58	11/08/25 23:06	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/08/25 07:58	11/08/25 23:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	65	S1-	70 - 130	11/08/25 07:58	11/08/25 23:06	1
o-Terphenyl (Surr)	87		70 - 130	11/08/25 07:58	11/08/25 23:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.0		9.94		mg/Kg			11/10/25 13:54	1

Client Sample ID: H - 6 (0-0.5')

Lab Sample ID: 890-9048-6

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/25 10:00	11/10/25 13:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/25 10:00	11/10/25 13:57	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		11/10/25 10:00	11/10/25 13:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/25 10:00	11/10/25 13:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/25 10:00	11/10/25 13:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/25 10:00	11/10/25 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	11/10/25 10:00	11/10/25 13:57	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/10/25 10:00	11/10/25 13:57	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

Client Sample ID: H - 6 (0-0.5')

Lab Sample ID: 890-9048-6

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/25 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/08/25 23:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/08/25 07:58	11/08/25 23:20	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/08/25 07:58	11/08/25 23:20	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/08/25 07:58	11/08/25 23:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	68	S1-	70 - 130				11/08/25 07:58	11/08/25 23:20	1
o-Terphenyl (Surr)	88		70 - 130				11/08/25 07:58	11/08/25 23:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		9.92		mg/Kg			11/10/25 13:59	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-9042-A-1-E MS	Matrix Spike	102	105
890-9042-A-1-F MSD	Matrix Spike Duplicate	104	111
890-9046-A-15-D MS	Matrix Spike	99	105
890-9046-A-15-E MSD	Matrix Spike Duplicate	101	97
890-9048-1	H - 1 (0-0.5')	102	97
890-9048-2	H - 2 (0-0.5')	102	97
890-9048-3	H - 3 (0-0.5')	105	96
890-9048-4	H - 4 (0-0.5')	107	104
890-9048-5	H - 5 (0-0.5')	106	106
890-9048-6	H - 6 (0-0.5')	105	95
LCS 880-123431/1-A	Lab Control Sample	103	102
LCS 880-123453/1-A	Lab Control Sample	100	105
LCSD 880-123431/2-A	Lab Control Sample Dup	109	111
LCSD 880-123453/2-A	Lab Control Sample Dup	99	101
MB 880-123431/5-A	Method Blank	113	96
MB 880-123453/5-A	Method Blank	102	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9042-A-1-B MS	Matrix Spike	75	86
890-9042-A-1-C MSD	Matrix Spike Duplicate	72	83
890-9048-1	H - 1 (0-0.5')	62 S1-	83
890-9048-2	H - 2 (0-0.5')	63 S1-	84
890-9048-3	H - 3 (0-0.5')	61 S1-	81
890-9048-4	H - 4 (0-0.5')	65 S1-	86
890-9048-5	H - 5 (0-0.5')	65 S1-	87
890-9048-6	H - 6 (0-0.5')	68 S1-	88
LCS 880-123383/2-A	Lab Control Sample	87	100
LCSD 880-123383/3-A	Lab Control Sample Dup	84	99
MB 880-123383/1-A	Method Blank	77	100

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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QC Sample Results

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-123431/5-A
 Matrix: Solid
 Analysis Batch: 123441

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 123431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/09/25 17:42	11/10/25 10:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/09/25 17:42	11/10/25 10:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/09/25 17:42	11/10/25 10:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/09/25 17:42	11/10/25 10:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/09/25 17:42	11/10/25 10:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/09/25 17:42	11/10/25 10:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/09/25 17:42	11/10/25 10:50	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/09/25 17:42	11/10/25 10:50	1

Lab Sample ID: LCS 880-123431/1-A
 Matrix: Solid
 Analysis Batch: 123441

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 123431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1069		mg/Kg		107	70 - 130
Toluene	0.100	0.08852		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.06379	*-	mg/Kg		64	70 - 130
m-Xylene & p-Xylene	0.200	0.1794		mg/Kg		90	70 - 130
o-Xylene	0.100	0.1180		mg/Kg		118	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-123431/2-A
 Matrix: Solid
 Analysis Batch: 123441

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 123431

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1024		mg/Kg		102	70 - 130	4	35
Toluene	0.100	0.09499		mg/Kg		95	70 - 130	7	35
Ethylbenzene	0.100	0.1067	*1	mg/Kg		107	70 - 130	50	35
m-Xylene & p-Xylene	0.200	0.2150		mg/Kg		107	70 - 130	18	35
o-Xylene	0.100	0.1101		mg/Kg		110	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 890-9042-A-1-E MS
 Matrix: Solid
 Analysis Batch: 123441

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 123431

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08560		mg/Kg		86	70 - 130
Toluene	<0.00200	U	0.100	0.09340		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

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

Lab Sample ID: 890-9042-A-1-E MS
 Matrix: Solid
 Analysis Batch: 123441

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 123431

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Added	Result				
Ethylbenzene	<0.00200	U *- *1	0.100	0.1028		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1992		mg/Kg		100	70 - 130
o-Xylene	<0.00200	U	0.100	0.1038		mg/Kg		104	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-9042-A-1-F MSD
 Matrix: Solid
 Analysis Batch: 123441

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 123431

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Added	Result						
Benzene	<0.00200	U	0.100	0.09720		mg/Kg		97	70 - 130	13	35
Toluene	<0.00200	U	0.100	0.08942		mg/Kg		89	70 - 130	4	35
Ethylbenzene	<0.00200	U *- *1	0.100	0.09660		mg/Kg		97	70 - 130	6	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2004		mg/Kg		100	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.1045		mg/Kg		104	70 - 130	1	35

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

Lab Sample ID: MB 880-123453/5-A
 Matrix: Solid
 Analysis Batch: 123439

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 123453

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/25 08:00	11/10/25 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/25 08:00	11/10/25 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/25 08:00	11/10/25 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/25 08:00	11/10/25 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/25 08:00	11/10/25 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/25 08:00	11/10/25 11:52	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	102		70 - 130	11/10/25 08:00	11/10/25 11:52	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/10/25 08:00	11/10/25 11:52	1

Lab Sample ID: LCS 880-123453/1-A
 Matrix: Solid
 Analysis Batch: 123439

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 123453

Analyte	Spike	Added	LCS	LCS	Unit	D	%Rec	%Rec
			Result	Qualifier				
Benzene	0.100	0.1052			mg/Kg		105	70 - 130
Toluene	0.100	0.09951			mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1041			mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2114			mg/Kg		106	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

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

Lab Sample ID: LCS 880-123453/1-A
 Matrix: Solid
 Analysis Batch: 123439

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 123453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1033		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-123453/2-A
 Matrix: Solid
 Analysis Batch: 123439

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 123453

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09891		mg/Kg		99	70 - 130	6	35
Toluene	0.100	0.09397		mg/Kg		94	70 - 130	6	35
Ethylbenzene	0.100	0.09779		mg/Kg		98	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1980		mg/Kg		99	70 - 130	7	35
o-Xylene	0.100	0.09681		mg/Kg		97	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-9046-A-15-D MS
 Matrix: Solid
 Analysis Batch: 123439

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 123453

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1017		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.09682		mg/Kg		97	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1000		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2027		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U	0.100	0.09823		mg/Kg		98	70 - 130

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

Lab Sample ID: 890-9046-A-15-E MSD
 Matrix: Solid
 Analysis Batch: 123439

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 123453

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1038		mg/Kg		104	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.1016		mg/Kg		102	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.1068		mg/Kg		107	70 - 130	7	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2177		mg/Kg		109	70 - 130	7	35
o-Xylene	<0.00200	U	0.100	0.1062		mg/Kg		106	70 - 130	8	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

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

Lab Sample ID: 890-9046-A-15-E MSD
 Matrix: Solid
 Analysis Batch: 123439

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 123453

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-123383/1-A
 Matrix: Solid
 Analysis Batch: 123390

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 123383

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/08/25 07:58	11/08/25 17:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/08/25 07:58	11/08/25 17:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/08/25 07:58	11/08/25 17:35	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	77		70 - 130	11/08/25 07:58	11/08/25 17:35	1
o-Terphenyl (Surr)	100		70 - 130	11/08/25 07:58	11/08/25 17:35	1

Lab Sample ID: LCS 880-123383/2-A
 Matrix: Solid
 Analysis Batch: 123390

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 123383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	887.1		mg/Kg		89	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	87		70 - 130
o-Terphenyl (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-123383/3-A
 Matrix: Solid
 Analysis Batch: 123390

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 123383

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Diesel Range Organics (Over C10-C28)	1000	883.0		mg/Kg		88	70 - 130	0	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	84		70 - 130
o-Terphenyl (Surr)	99		70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-9046-A-12-D MS
 Matrix: Solid
 Analysis Batch: 123449

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	98.1		248	327.1		mg/Kg		93	90 - 110

Lab Sample ID: 890-9046-A-12-E MSD
 Matrix: Solid
 Analysis Batch: 123449

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	98.1		248	330.3		mg/Kg		94	90 - 110	1	20

Lab Sample ID: MB 880-123481/1-A
 Matrix: Solid
 Analysis Batch: 123520

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/10/25 12:49	1

Lab Sample ID: LCS 880-123481/2-A
 Matrix: Solid
 Analysis Batch: 123520

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.1		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-123481/3-A
 Matrix: Solid
 Analysis Batch: 123520

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.6		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 880-64675-A-1-B MS
 Matrix: Solid
 Analysis Batch: 123520

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	361		251	606.2		mg/Kg		98	90 - 110

Lab Sample ID: 880-64675-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 123520

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	361		251	608.5		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

GC VOA

Prep Batch: 123431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9048-4	H - 4 (0-0.5')	Total/NA	Solid	5035	
890-9048-5	H - 5 (0-0.5')	Total/NA	Solid	5035	
890-9048-6	H - 6 (0-0.5')	Total/NA	Solid	5035	
MB 880-123431/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-123431/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-123431/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9042-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-9042-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 123439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9048-1	H - 1 (0-0.5')	Total/NA	Solid	8021B	123453
890-9048-2	H - 2 (0-0.5')	Total/NA	Solid	8021B	123453
890-9048-3	H - 3 (0-0.5')	Total/NA	Solid	8021B	123453
MB 880-123453/5-A	Method Blank	Total/NA	Solid	8021B	123453
LCS 880-123453/1-A	Lab Control Sample	Total/NA	Solid	8021B	123453
LCSD 880-123453/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	123453
890-9046-A-15-D MS	Matrix Spike	Total/NA	Solid	8021B	123453
890-9046-A-15-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	123453

Analysis Batch: 123441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9048-4	H - 4 (0-0.5')	Total/NA	Solid	8021B	123431
890-9048-5	H - 5 (0-0.5')	Total/NA	Solid	8021B	123431
890-9048-6	H - 6 (0-0.5')	Total/NA	Solid	8021B	123431
MB 880-123431/5-A	Method Blank	Total/NA	Solid	8021B	123431
LCS 880-123431/1-A	Lab Control Sample	Total/NA	Solid	8021B	123431
LCSD 880-123431/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	123431
890-9042-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	123431
890-9042-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	123431

Prep Batch: 123453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9048-1	H - 1 (0-0.5')	Total/NA	Solid	5035	
890-9048-2	H - 2 (0-0.5')	Total/NA	Solid	5035	
890-9048-3	H - 3 (0-0.5')	Total/NA	Solid	5035	
MB 880-123453/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-123453/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-123453/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9046-A-15-D MS	Matrix Spike	Total/NA	Solid	5035	
890-9046-A-15-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 123556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9048-1	H - 1 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9048-2	H - 2 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9048-3	H - 3 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9048-4	H - 4 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9048-5	H - 5 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9048-6	H - 6 (0-0.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

GC Semi VOA

Prep Batch: 123383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9048-1	H - 1 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9048-2	H - 2 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9048-3	H - 3 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9048-4	H - 4 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9048-5	H - 5 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9048-6	H - 6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-123383/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-123383/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-123383/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9042-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9042-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 123390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9048-1	H - 1 (0-0.5')	Total/NA	Solid	8015B NM	123383
890-9048-2	H - 2 (0-0.5')	Total/NA	Solid	8015B NM	123383
890-9048-3	H - 3 (0-0.5')	Total/NA	Solid	8015B NM	123383
890-9048-4	H - 4 (0-0.5')	Total/NA	Solid	8015B NM	123383
890-9048-5	H - 5 (0-0.5')	Total/NA	Solid	8015B NM	123383
890-9048-6	H - 6 (0-0.5')	Total/NA	Solid	8015B NM	123383
MB 880-123383/1-A	Method Blank	Total/NA	Solid	8015B NM	123383
LCS 880-123383/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	123383
LCSD 880-123383/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	123383
890-9042-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	123383
890-9042-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	123383

Analysis Batch: 123581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9048-1	H - 1 (0-0.5')	Total/NA	Solid	8015 NM	
890-9048-2	H - 2 (0-0.5')	Total/NA	Solid	8015 NM	
890-9048-3	H - 3 (0-0.5')	Total/NA	Solid	8015 NM	
890-9048-4	H - 4 (0-0.5')	Total/NA	Solid	8015 NM	
890-9048-5	H - 5 (0-0.5')	Total/NA	Solid	8015 NM	
890-9048-6	H - 6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 123445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9048-1	H - 1 (0-0.5')	Soluble	Solid	DI Leach	
890-9048-2	H - 2 (0-0.5')	Soluble	Solid	DI Leach	
890-9048-3	H - 3 (0-0.5')	Soluble	Solid	DI Leach	
890-9048-4	H - 4 (0-0.5')	Soluble	Solid	DI Leach	
890-9048-5	H - 5 (0-0.5')	Soluble	Solid	DI Leach	
890-9048-6	H - 6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-123445/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-123445/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-123445/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9046-A-12-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-9046-A-12-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

HPLC/IC

Analysis Batch: 123449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9048-1	H - 1 (0-0.5')	Soluble	Solid	300.0	123445
890-9048-2	H - 2 (0-0.5')	Soluble	Solid	300.0	123445
890-9048-3	H - 3 (0-0.5')	Soluble	Solid	300.0	123445
890-9048-4	H - 4 (0-0.5')	Soluble	Solid	300.0	123445
890-9048-5	H - 5 (0-0.5')	Soluble	Solid	300.0	123445
890-9048-6	H - 6 (0-0.5')	Soluble	Solid	300.0	123445
MB 880-123445/1-A	Method Blank	Soluble	Solid	300.0	123445
LCS 880-123445/2-A	Lab Control Sample	Soluble	Solid	300.0	123445
LCSD 880-123445/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	123445
890-9046-A-12-D MS	Matrix Spike	Soluble	Solid	300.0	123445
890-9046-A-12-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	123445

Leach Batch: 123481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-123481/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-123481/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-123481/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-64675-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-64675-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 123520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-123481/1-A	Method Blank	Soluble	Solid	300.0	123481
LCS 880-123481/2-A	Lab Control Sample	Soluble	Solid	300.0	123481
LCSD 880-123481/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	123481
880-64675-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	123481
880-64675-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	123481

Lab Chronicle

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

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

Lab Sample ID: 890-9048-1

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	123453	11/10/25 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123439	11/10/25 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123556	11/10/25 12:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			123581	11/08/25 22:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	123383	11/08/25 07:58	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123390	11/08/25 22:10	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	123445	11/10/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			123449	11/10/25 12:48	CS	EET MID

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

Lab Sample ID: 890-9048-2

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	123453	11/10/25 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123439	11/10/25 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123556	11/10/25 13:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			123581	11/08/25 22:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	123383	11/08/25 07:58	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123390	11/08/25 22:23	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	123445	11/10/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			123449	11/10/25 13:38	CS	EET MID

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

Lab Sample ID: 890-9048-3

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	123453	11/10/25 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123439	11/10/25 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123556	11/10/25 13:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			123581	11/08/25 22:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	123383	11/08/25 07:58	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123390	11/08/25 22:38	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	123445	11/10/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			123449	11/10/25 13:44	CS	EET MID

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

Lab Sample ID: 890-9048-4

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	123431	11/10/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123441	11/10/25 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123556	11/10/25 13:16	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
 Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
 SDG: 3058

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

Lab Sample ID: 890-9048-4

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			123581	11/08/25 22:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	123383	11/08/25 07:58	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123390	11/08/25 22:52	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	123445	11/10/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			123449	11/10/25 13:49	CS	EET MID

Client Sample ID: H - 5 (0-0.5')

Lab Sample ID: 890-9048-5

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	123431	11/10/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123441	11/10/25 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123556	11/10/25 13:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			123581	11/08/25 23:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	123383	11/08/25 07:58	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123390	11/08/25 23:06	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	123445	11/10/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			123449	11/10/25 13:54	CS	EET MID

Client Sample ID: H - 6 (0-0.5')

Lab Sample ID: 890-9048-6

Date Collected: 11/07/25 00:00

Matrix: Solid

Date Received: 11/07/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	123431	11/10/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123441	11/10/25 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123556	11/10/25 13:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			123581	11/08/25 23:20	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	123383	11/08/25 07:58	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123390	11/08/25 23:20	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	123445	11/10/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			123449	11/10/25 13:59	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
SDG: 3058

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
SDG: 3058

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Carmona Resources
Project/Site: SUN STATE COM #502H (10.31.2025)

Job ID: 890-9048-1
SDG: 3058

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9048-1	H - 1 (0-0.5')	Solid	11/07/25 00:00	11/07/25 15:30	Texas
890-9048-2	H - 2 (0-0.5')	Solid	11/07/25 00:00	11/07/25 15:30	Texas
890-9048-3	H - 3 (0-0.5')	Solid	11/07/25 00:00	11/07/25 15:30	Texas
890-9048-4	H - 4 (0-0.5')	Solid	11/07/25 00:00	11/07/25 15:30	Texas
890-9048-5	H - 5 (0-0.5')	Solid	11/07/25 00:00	11/07/25 15:30	Texas
890-9048-6	H - 6 (0-0.5')	Solid	11/07/25 00:00	11/07/25 15:30	Texas

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Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)

Client Contact: Shipping/Receiving
Company: Eurofins Environment Testing South Centir
Address: 1211 W. Florida Ave.
City: Midland
State, Zip: TX, 79701
Phone: 432-704-5440(Tel)
Email: N/A
Project Name: SUN STATE COM #502H (10.31.2025)
Site: N/A
Sampler: N/A
Lab P.M.: Kramer, Jessica
E-Mail: Jessica.Kramer@et.eurofins.com
Accreditations Required (See note): NELAP - Texas
Carrier Tracking No(s): N/A
State of Origin: Texas
COC No: 890-6085.1
Page: Page 1 of 1
Job #: 890-9048-1
Preservation Codes:

Due Date Requested: 11/10/2025
TAT Requested (days): N/A
Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Minerals, Solids, Organics, etc.)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5035FP_CalcBTEX	Total_BTEX_GCV	8015MOD_Calc	8015MOD_NM/8015NM_S_PrepFull TPH	300_ORGFM_28D/DI_LEACHChloride	Total Number of containers	Special Instructions/Note:
H - 1 (0-0.5) (890-9048-1)	11/7/25	Central	G	Solid	X	X	X	X	X	X	X	1	
H - 2 (0-0.5) (890-9048-2)	11/7/25	Central	G	Solid	X	X	X	X	X	X	X	1	
H - 3 (0-0.5) (890-9048-3)	11/7/25	Central	G	Solid	X	X	X	X	X	X	X	1	
H - 4 (0-0.5) (890-9048-4)	11/7/25	Central	G	Solid	X	X	X	X	X	X	X	1	
H - 5 (0-0.5) (890-9048-5)	11/7/25	Central	G	Solid	X	X	X	X	X	X	X	1	
H - 6 (0-0.5) (890-9048-6)	11/7/25	Central	G	Solid	X	X	X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/estimation being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other institutions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification

Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify) _____
Primary Deliverable Rank: 2
Special Instructions/QOC Requirements: _____
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <i>[Signature]</i>	11/7/25	16:30	
Relinquished by:	Date/Time:	Company:	
Relinquished by:	Date/Time:	Company:	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9048-1

SDG Number: 3058

Login Number: 9048

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9048-1

SDG Number: 3058

Login Number: 9048

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 11/08/25 10:45 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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

November 21, 2025

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

RE: SUN STATE COM #502H (10.31.2025)

Enclosed are the results of analyses for samples received by the laboratory on 11/19/25 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 1 (1.5') (H257275-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2025	ND	1.96	98.1	2.00	3.95		
Toluene*	<0.050	0.050	11/21/2025	ND	2.03	102	2.00	2.97		
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.97	98.5	2.00	4.43		
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.92	98.6	6.00	7.03		
Total BTEX	<0.300	0.300	11/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

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	11/20/2025	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	11/20/2025	ND	199	99.3	200	2.16		
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	213	106	200	3.92		
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND						

Surrogate: 1-Chlorooctane 81.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.7 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 2 (1.5') (H257275-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.96	98.1	2.00	3.95	
Toluene*	<0.050	0.050	11/21/2025	ND	2.03	102	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.97	98.5	2.00	4.43	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.92	98.6	6.00	7.03	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/20/2025	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	11/20/2025	ND	199	99.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	213	106	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.2 % 39.9-141

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 3 (1.5') (H257275-03)

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	11/21/2025	ND	1.96	98.1	2.00	3.95	
Toluene*	<0.050	0.050	11/21/2025	ND	2.03	102	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.97	98.5	2.00	4.43	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.92	98.6	6.00	7.03	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	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	11/20/2025	ND	199	99.3	200	2.16	
DRO >C10-C28*	27.8	10.0	11/20/2025	ND	213	106	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 4 (1.5') (H257275-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.96	98.1	2.00	3.95	
Toluene*	<0.050	0.050	11/21/2025	ND	2.03	102	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.97	98.5	2.00	4.43	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.92	98.6	6.00	7.03	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/20/2025	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	11/20/2025	ND	199	99.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	213	106	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.9 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 5 (1.5') (H257275-05)

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	11/21/2025	ND	1.96	98.1	2.00	3.95	
Toluene*	<0.050	0.050	11/21/2025	ND	2.03	102	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.97	98.5	2.00	4.43	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.92	98.6	6.00	7.03	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	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	11/20/2025	ND	199	99.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	213	106	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.9 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 6 (1.5') (H257275-06)

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	11/21/2025	ND	1.96	98.1	2.00	3.95	
Toluene*	<0.050	0.050	11/21/2025	ND	2.03	102	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.97	98.5	2.00	4.43	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.92	98.6	6.00	7.03	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	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	11/20/2025	ND	199	99.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	213	106	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.5 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 7 (1.5') (H257275-07)

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	11/21/2025	ND	1.96	98.1	2.00	3.95		
Toluene*	<0.050	0.050	11/21/2025	ND	2.03	102	2.00	2.97		
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.97	98.5	2.00	4.43		
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.92	98.6	6.00	7.03		
Total BTEX	<0.300	0.300	11/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/20/2025	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	11/20/2025	ND	193	96.7	200	6.48		
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46		
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND						

Surrogate: 1-Chlorooctane 82.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.8 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 8 (1.5') (H257275-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.96	98.1	2.00	3.95	
Toluene*	<0.050	0.050	11/21/2025	ND	2.03	102	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.97	98.5	2.00	4.43	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.92	98.6	6.00	7.03	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/20/2025	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	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 92.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.7 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 9 (1.5') (H257275-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.96	98.1	2.00	3.95	
Toluene*	<0.050	0.050	11/21/2025	ND	2.03	102	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.97	98.5	2.00	4.43	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.92	98.6	6.00	7.03	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/20/2025	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	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.2 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 10 (1.5') (H257275-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.96	98.1	2.00	3.95	
Toluene*	<0.050	0.050	11/21/2025	ND	2.03	102	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.97	98.5	2.00	4.43	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.92	98.6	6.00	7.03	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	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	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 89.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.3 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 11 (1.5') (H257275-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2025	ND	1.96	98.1	2.00	3.95		
Toluene*	<0.050	0.050	11/21/2025	ND	2.03	102	2.00	2.97		
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.97	98.5	2.00	4.43		
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.92	98.6	6.00	7.03		
Total BTEX	<0.300	0.300	11/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

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	11/20/2025	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	11/20/2025	ND	193	96.7	200	6.48		
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46		
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND						

Surrogate: 1-Chlorooctane 89.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 12 (1.5') (H257275-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.96	98.1	2.00	3.95	
Toluene*	<0.050	0.050	11/21/2025	ND	2.03	102	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.97	98.5	2.00	4.43	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.92	98.6	6.00	7.03	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/20/2025	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	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 93.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.0 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 13 (1.5') (H257275-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.96	98.1	2.00	3.95	
Toluene*	<0.050	0.050	11/21/2025	ND	2.03	102	2.00	2.97	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.97	98.5	2.00	4.43	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.92	98.6	6.00	7.03	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/20/2025	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	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 94.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.3 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 14 (1.5') (H257275-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	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	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.8 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 15 (1.5') (H257275-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	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	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 92.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.6 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 16 (1.5') (H257275-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	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	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 97.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.4 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 17 (1.5') (H257275-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.5 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 18 (1.5') (H257275-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 87.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.0 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 19 (1.5') (H257275-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 20 (1.5') (H257275-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 21 (1.5') (H257275-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.4 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 22 (1.5') (H257275-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 94.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 23 (1.5') (H257275-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.6 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 24 (1.5') (H257275-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 94.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.9 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 25 (1.5') (H257275-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.2 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 26 (1.5') (H257275-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	0.052	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	193	96.7	200	6.48	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	206	103	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 92.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 91.6 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 27 (1.5') (H257275-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	211	106	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 28 (1.5') (H257275-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	211	106	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 29 (1.5') (H257275-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	211	106	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 30 (1.5') (H257275-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	211	106	200	2.50	
DRO >C10-C28*	14.0	10.0	11/20/2025	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.8 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 31 (1.5') (H257275-31)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	211	106	200	2.50	
DRO >C10-C28*	76.2	10.0	11/20/2025	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	11.6	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.1 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 32 (1.5') (H257275-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	211	106	200	2.50	
DRO >C10-C28*	29.7	10.0	11/20/2025	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 96.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.1 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 33 (1.5') (H257275-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.87	93.4	2.00	2.52	
Toluene*	<0.050	0.050	11/21/2025	ND	2.09	104	2.00	6.78	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.19	109	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.74	112	6.00	6.94	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	211	106	200	2.50	
DRO >C10-C28*	284	10.0	11/20/2025	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	60.2	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 77.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.3 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 34 (1.5') (H257275-34)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	211	106	200	2.50	
DRO >C10-C28*	19.9	10.0	11/20/2025	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.1 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 35 (1.5') (H257275-35)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	211	106	200	2.50	
DRO >C10-C28*	59.8	10.0	11/20/2025	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	12.2	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 96.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.3 % 39.9-141

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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 36 (1.5') (H257275-36)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/20/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	211	106	200	2.50	
DRO >C10-C28*	14.5	10.0	11/20/2025	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 37 (1.5') (H257275-37)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/20/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	211	106	200	2.50	
DRO >C10-C28*	22.3	10.0	11/20/2025	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS- 38 (1.5') (H257275-38)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/20/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	211	106	200	2.50	
DRO >C10-C28*	30.6	10.0	11/20/2025	ND	199	99.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H25727

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Lung
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Mainfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.lung@coterra.com & ThielkeA@carmonaresources.com

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

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST				Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Hold	
CS-1 (1.5)	11/19/2025		X		C	1	X	X	X		None: NO DI Water: H ₂ O
CS-2 (1.5)	11/19/2025		X		C	1	X	X	X		Cool: Cool MeOH: Me
CS-3 (1.5)	11/19/2025		X		C	1	X	X	X		HCL: HC HNO ₃ : HN
CS-4 (1.5)	11/19/2025		X		C	1	X	X	X		H ₂ SO ₄ : H ₂ NaOH: Na
CS-5 (1.5)	11/19/2025		X		C	1	X	X	X		H ₃ PO ₄ : HP
CS-6 (1.5)	11/19/2025		X		C	1	X	X	X		NaHSO ₄ : NABIS
CS-7 (1.5)	11/19/2025		X		C	1	X	X	X		Na ₂ S ₂ O ₃ : NaSO ₃
CS-8 (1.5)	11/19/2025		X		C	1	X	X	X		Zn Acetate+NaOH: Zn
CS-9 (1.5)	11/19/2025		X		C	1	X	X	X		NaOH+Ascorbic Acid: SAPC
CS-10 (1.5)	11/19/2025		X		C	1	X	X	X		

Comments:

ASD 11/19/25
D10211V-011

Relinquished by: (Signature)

[Signature]

Date/Time

11/19/25 1600

Received by: (Signature)

[Signature]

Date/Time

11/19/25 1600

Chain of Custody

Work Order No: 1257275

Page 2 of

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 Mainfield St, Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & ThielkeA@carmonaresources.com

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

Project Name:	Sun State Com #502H (10.31.2025)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	3058	Due Date:	72 hr		
Project Location:	Lea County, New Mexico				
Sampler's Name:	JDC				
PO #:					
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	FD. 3.1		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	4.1°C		
Total Containers:		Corrected Temperature:	4.4°C		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 6021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
CS-11 (1.5')	11/19/2025		X		C	1	X	X	X	
CS-12 (1.5')	11/19/2025		X		C	1	X	X	X	
CS-13 (1.5')	11/19/2025		X		C	1	X	X	X	
CS-14 (1.5')	11/19/2025		X		C	1	X	X	X	
CS-15 (1.5')	11/19/2025		X		C	1	X	X	X	
CS-16 (1.5')	11/19/2025		X		C	1	X	X	X	
CS-17 (1.5')	11/19/2025		X		C	1	X	X	X	
CS-18 (1.5')	11/19/2025		X		C	1	X	X	X	
CS-19 (1.5')	11/19/2025		X		C	1	X	X	X	
CS-20 (1.5')	11/19/2025		X		C	1	X	X	X	

Comments:

Relinquished by: (Signature)

[Signature]

Date/Time

11/19/25 1600

Received by: (Signature)

[Signature]

Date/Time

11.19.25/1600

Chain of Custody

Work Order No: 1257215

Page 3 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Lacl 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:	lacl.luig@colerra.com & ThielkeA@carmonaresources.com

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

Project Name:	Sun State Com #502H (10.31.2025)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	3058	Due Date:	72 hr		
Project Location:	Lea County, New Mexico				
Sampler's Name:	JDC				
PO #:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
CS-21 (1.5)	11/19/2025		X		C	1	X	X	X	
CS-22 (1.5)	11/19/2025		X		C	1	X	X	X	
CS-23 (1.5)	11/19/2025		X		C	1	X	X	X	
CS-24 (1.5)	11/19/2025		X		C	1	X	X	X	
CS-25 (1.5)	11/19/2025		X		C	1	X	X	X	
CS-26 (1.5)	11/19/2025		X		C	1	X	X	X	
CS-27 (1.5)	11/19/2025		X		C	1	X	X	X	
CS-28 (1.5)	11/19/2025		X		C	1	X	X	X	
CS-29 (1.5)	11/19/2025		X		C	1	X	X	X	
CS-30 (1.5)	11/19/2025		X		C	1	X	X	X	

Comments:

Relinquished by: (Signature) *JDC*

Date/Time 11/19/25 1600

Received by: (Signature) *A. PARRAS*

Date/Time 11-19-25 11:54



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

November 21, 2025

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

RE: SUN STATE COM #502H (10.31.2025)

Enclosed are the results of analyses for samples received by the laboratory on 11/19/25 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW- 1 (1.5') (H257282-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	219	109	200	1.63	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	207	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 79.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW- 2 (1.5') (H257282-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/20/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	219	109	200	1.63	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	207	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.4 % 39.9-141

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW- 3 (1.5') (H257282-03)

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	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	219	109	200	1.63	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	207	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW- 4 (1.5') (H257282-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/20/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	219	109	200	1.63	
DRO >C10-C28*	52.4	10.0	11/20/2025	ND	207	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 78.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW- 5 (1.5') (H257282-05)

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	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/20/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	219	109	200	1.63	
DRO >C10-C28*	70.3	10.0	11/20/2025	ND	207	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 79.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW- 6 (1.5') (H257282-06)

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	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	219	109	200	1.63	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	207	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW- 7 (1.5') (H257282-07)

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	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	219	109	200	1.63	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	207	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW- 8 (1.5') (H257282-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	219	109	200	1.63	
DRO >C10-C28*	53.1	10.0	11/20/2025	ND	207	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/19/2025	Sampling Date:	11/19/2025
Reported:	11/21/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW- 9 (1.5') (H257282-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.89	94.6	2.00	1.23	
Toluene*	<0.050	0.050	11/21/2025	ND	1.95	97.5	2.00	1.25	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.88	93.9	2.00	0.123	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.58	93.0	6.00	0.439	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2025	ND	219	109	200	1.63	
DRO >C10-C28*	<10.0	10.0	11/20/2025	ND	207	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/20/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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December 01, 2025

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

RE: SUN STATE COM #502H (10.31.2025)

Enclosed are the results of analyses for samples received by the laboratory on 11/26/25 10:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/26/2025	Sampling Date:	11/19/2025
Reported:	12/01/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 33 (1.75') (H257441-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2025	ND	1.78	89.1	2.00	6.32	
Toluene*	<0.050	0.050	11/26/2025	ND	1.92	95.9	2.00	4.30	
Ethylbenzene*	<0.050	0.050	11/26/2025	ND	1.89	94.7	2.00	2.76	
Total Xylenes*	<0.150	0.150	11/26/2025	ND	5.69	94.9	6.00	1.14	
Total BTEX	<0.300	0.300	11/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/26/2025	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	11/27/2025	ND	181	90.3	200	7.72	
DRO >C10-C28*	46.1	10.0	11/27/2025	ND	184	92.0	200	9.23	
EXT DRO >C28-C36	<10.0	10.0	11/27/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

November 25, 2025

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

RE: SUN STATE COM #502H (10.31.2025)

Enclosed are the results of analyses for samples received by the laboratory on 11/20/25 15:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder".

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



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 35 (1.5') (H257318-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.89	94.5	2.00	3.54	
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

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	11/21/2025	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	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 98.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 98.8 % 39.9-141

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



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 40 (1.5') (H257318-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	1.89	94.5	2.00	3.54	
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/21/2025	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	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.9 % 39.9-141

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 41 (1.5') (H257318-03)

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	11/21/2025	ND	1.89	94.5	2.00	3.54		
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87		
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15		
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32		
Total BTEX	<0.300	0.300	11/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/21/2025	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	11/21/2025	ND	184	91.8	200	5.79		
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	183	91.6	200	2.28		
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND						

Surrogate: 1-Chlorooctane 99.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.3 % 39.9-141

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 42 (1.5') (H257318-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2025	ND	1.89	94.5	2.00	3.54		
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87		
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15		
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32		
Total BTEX	<0.300	0.300	11/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/21/2025	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	11/21/2025	ND	184	91.8	200	5.79		
DRO >C10-C28*	17.3	10.0	11/21/2025	ND	183	91.6	200	2.28		
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND						

Surrogate: 1-Chlorooctane 100 % 52.4-130

Surrogate: 1-Chlorooctadecane 100 % 39.9-141

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 43 (1.5') (H257318-05)

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	11/21/2025	ND	1.89	94.5	2.00	3.54	
Toluene*	0.091	0.050	11/21/2025	ND	2.00	100	2.00	3.87	
Ethylbenzene*	0.112	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15	
Total Xylenes*	0.153	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32	
Total BTEX	0.356	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/21/2025	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	11/22/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.8 % 39.9-141

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 44 (1.5') (H257318-06)

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	11/21/2025	ND	1.89	94.5	2.00	3.54		
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87		
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15		
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32		
Total BTEX	<0.300	0.300	11/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/21/2025	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	11/22/2025	ND	184	91.8	200	5.79		
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	183	91.6	200	2.28		
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND						

Surrogate: 1-Chlorooctane 98.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 98.8 % 39.9-141

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 45 (1.5') (H257318-07)

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	11/21/2025	ND	1.89	94.5	2.00	3.54	
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/21/2025	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	11/22/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND					

Surrogate: 1-Chlorooctane 98.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 97.9 % 39.9-141

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 46 (1.5') (H257318-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2025	ND	1.89	94.5	2.00	3.54		
Toluene*	<0.050	0.050	11/22/2025	ND	2.00	100	2.00	3.87		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	1.91	95.4	2.00	6.15		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	5.63	93.9	6.00	8.32		
Total BTEX	<0.300	0.300	11/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/21/2025	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	11/22/2025	ND	215	107	200	0.845		
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	229	115	200	0.943		
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND						

Surrogate: 1-Chlorooctane 103 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.0 % 39.9-141

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



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 47 (1.5') (H257318-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2025	ND	1.89	94.5	2.00	3.54		
Toluene*	<0.050	0.050	11/22/2025	ND	2.00	100	2.00	3.87		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	1.91	95.4	2.00	6.15		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	5.63	93.9	6.00	8.32		
Total BTEX	<0.300	0.300	11/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/21/2025	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	11/22/2025	ND	215	107	200	0.845		
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	229	115	200	0.943		
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND						

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.2 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 48 (1.5') (H257318-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2025	ND	1.89	94.5	2.00	3.54		
Toluene*	<0.050	0.050	11/22/2025	ND	2.00	100	2.00	3.87		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	1.91	95.4	2.00	6.15		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	5.63	93.9	6.00	8.32		
Total BTEX	<0.300	0.300	11/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	11/21/2025	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	11/22/2025	ND	215	107	200	0.845		
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	229	115	200	0.943		
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND						

Surrogate: 1-Chlorooctane 104 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.0 % 39.9-141

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 49 (1.5') (H257318-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2025	ND	1.89	94.5	2.00	3.54		
Toluene*	<0.050	0.050	11/22/2025	ND	2.00	100	2.00	3.87		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	1.91	95.4	2.00	6.15		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	5.63	93.9	6.00	8.32		
Total BTEX	<0.300	0.300	11/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/24/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	215	107	200	0.845		
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	229	115	200	0.943		
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND						

Surrogate: 1-Chlorooctane 110 % 52.4-130

Surrogate: 1-Chlorooctadecane 101 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 50 (1.5') (H257318-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2025	ND	1.89	94.5	2.00	3.54	
Toluene*	<0.050	0.050	11/22/2025	ND	2.00	100	2.00	3.87	
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	1.91	95.4	2.00	6.15	
Total Xylenes*	<0.150	0.150	11/22/2025	ND	5.63	93.9	6.00	8.32	
Total BTEX	<0.300	0.300	11/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/24/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	215	107	200	0.845	
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	229	115	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND					

Surrogate: 1-Chlorooctane 107 % 52.4-130

Surrogate: 1-Chlorooctadecane 98.1 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 51 (1.5') (H257318-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/21/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	0.095	0.050	11/21/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/24/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	215	107	200	0.845	
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	229	115	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND					

Surrogate: 1-Chlorooctane 104 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.2 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 52 (1.5') (H257318-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/21/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/24/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	215	107	200	0.845	
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	229	115	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND					

Surrogate: 1-Chlorooctane 109 % 52.4-130

Surrogate: 1-Chlorooctadecane 101 % 39.9-141

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: CS - 53 (1.5') (H257318-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/22/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/24/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	215	107	200	0.845	
DRO >C10-C28*	12.1	10.0	11/22/2025	ND	229	115	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND					

Surrogate: 1-Chlorooctane 102 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.3 % 39.9-141

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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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Handwritten signature of Mike Snyder

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

Chain of Custody

Work Order No: 14573.5

Page 2 of

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Lujig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marrenfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.lujig@cofentra.com & ThielkeA@carmonaresources.com

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

Project Name:	Sun State Com #502H (10.31.2025)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	3058	Due Date:	72 hr		
Project Location:	Lea County, New Mexico				
Sampler's Name:	JDC				
PO #:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
CS-49 (1.5)	11/19/2025		X		C	1	X	X	X	
CS-50 (1.5)	11/19/2025		X		C	1	X	X	X	
CS-51 (1.5)	11/19/2025		X		C	1	X	X	X	
CS-52 (1.5)	11/19/2025		X		C	1	X	X	X	
CS-53 (1.5)	11/19/2025		X		C	1	X	X	X	

Comments:

Relinquished by: (Signature)

[Signature]

Date/Time

Received by: (Signature)

[Signature]

Date/Time

11/20/25/1523



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

November 25, 2025

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

RE: SUN STATE COM #502H (10.31.2025)

Enclosed are the results of analyses for samples received by the laboratory on 11/20/25 15:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder".

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



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW - 10 (1.5') (H257319-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/22/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/24/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	215	107	200	0.845	
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	229	115	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND					

Surrogate: 1-Chlorooctane 110 % 52.4-130

Surrogate: 1-Chlorooctadecane 100 % 39.9-141

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*=Accredited Analyte

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW - 11 (1.5') (H257319-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/22/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/24/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	215	107	200	0.845	
DRO >C10-C28*	51.1	10.0	11/22/2025	ND	229	115	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND					

Surrogate: 1-Chlorooctane 108 % 52.4-130

Surrogate: 1-Chlorooctadecane 101 % 39.9-141

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



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW - 12 (1.5') (H257319-03)

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	11/22/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/22/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/24/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	215	107	200	0.845	
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	229	115	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.4 % 39.9-141

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW - 13 (1.5') (H257319-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/22/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/24/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	215	107	200	0.845	
DRO >C10-C28*	10.2	10.0	11/22/2025	ND	229	115	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND					

Surrogate: 1-Chlorooctane 109 % 52.4-130

Surrogate: 1-Chlorooctadecane 100 % 39.9-141

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW - 14 (1.5') (H257319-05)

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	11/22/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/22/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/24/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	215	107	200	0.845	
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	229	115	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.2 % 39.9-141

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW - 15 (1.5') (H257319-06)

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	11/22/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/22/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/24/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	215	107	200	0.845	
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	229	115	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND					

Surrogate: 1-Chlorooctane 106 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.8 % 39.9-141

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/25/2025	Sampling Type:	Soil
Project Name:	SUN STATE COM #502H (10.31.2025)	Sampling Condition:	Cool & Intact
Project Number:	3058	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-LEA CO., NM		

Sample ID: SW - 16 (1.5') (H257319-07)

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	11/22/2025	ND	2.03	101	2.00	2.38		
Toluene*	<0.050	0.050	11/22/2025	ND	2.13	106	2.00	2.50		
Ethylbenzene*	<0.050	0.050	11/22/2025	ND	2.25	113	2.00	0.809		
Total Xylenes*	<0.150	0.150	11/22/2025	ND	6.96	116	6.00	0.739		
Total BTEX	<0.300	0.300	11/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	11/24/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/22/2025	ND	215	107	200	0.845		
DRO >C10-C28*	<10.0	10.0	11/22/2025	ND	229	115	200	0.943		
EXT DRO >C28-C36	<10.0	10.0	11/22/2025	ND						

Surrogate: 1-Chlorooctane 106 % 52.4-130

Surrogate: 1-Chlorooctadecane 97.5 % 39.9-141

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



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Notes and Definitions

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

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

Chain of Custody

Work Order No: 1857319

Page 1 of 1

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 Mainfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luing@cojerra.com & ThielkeA@carmonaresources.com

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

Project Name:	Sun State Com #502H (10.31.2025)	Turn Around		Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:	3058	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush			
Project Location:	Lea County, New Mexico	Due Date:	72 hr			
Sampler's Name:	JDC					
PO #:						
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:				
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:				
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:				
Total Containers:		Corrected Temperature:				

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
SW-10 (1.5)	11/19/2025		X		C	1	BTEX 8021B	
SW-11 (1.5)	11/19/2025		X		C	1	TPH 8015M (GRO + DRO + MRO)	
SW-12 (1.5)	11/19/2025		X		C	1	Chloride 4500	
SW-13 (1.5)	11/19/2025		X		C	1		
SW-14 (1.5)	11/19/2025		X		C	1		
SW-15 (1.5)	11/19/2025		X		C	1		
SW-16 (1.5)	11/19/2025		X		C	1		

Comments:

0408401 K. M1

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
		<u>Opavos</u>	<u>11/20/25/1503</u>



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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/2/2025 4:18:37 PM

JOB DESCRIPTION

Sun State Com #502H (10.31.2025)
 3058

JOB NUMBER

880-65533-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



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12/2/2025 4:18:37 PM

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

Client: Carmona Resources
Project/Site: Sun State Com #502H (10.31.2025)

Laboratory Job ID: 880-65533-1
SDG: 3058

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1
 SDG: 3058

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1

Job ID: 880-65533-1

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Job Narrative 880-65533-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 12/1/2025 3:15 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C.

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
 Project/Site: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1
 SDG: 3058

Client Sample ID: Backfill Sample

Lab Sample ID: 880-65533-1

Date Collected: 12/01/25 00:00

Matrix: Solid

Date Received: 12/01/25 15:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/25 08:00	12/02/25 12:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/25 08:00	12/02/25 12:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/25 08:00	12/02/25 12:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/25 08:00	12/02/25 12:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/25 08:00	12/02/25 12:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/25 08:00	12/02/25 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/02/25 08:00	12/02/25 12:22	1
1,4-Difluorobenzene (Surr)	83		70 - 130	12/02/25 08:00	12/02/25 12:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/02/25 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/25 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/02/25 08:40	12/02/25 12:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		12/02/25 08:40	12/02/25 12:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/25 08:40	12/02/25 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130	12/02/25 08:40	12/02/25 12:51	1
o-Terphenyl (Surr)	81		70 - 130	12/02/25 08:40	12/02/25 12:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		9.92		mg/Kg			12/02/25 09:23	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1
 SDG: 3058

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-65472-A-1-B MS	Matrix Spike	105	97
880-65472-A-1-C MSD	Matrix Spike Duplicate	107	107
880-65533-1	Backfill Sample	108	83
LCS 880-125282/1-A	Lab Control Sample	108	105
LCSD 880-125282/2-A	Lab Control Sample Dup	103	99
MB 880-125282/5-A	Method Blank	106	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
 DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-65533-1	Backfill Sample	74	81
LCS 880-125345/2-A	Lab Control Sample	87	83
LCSD 880-125345/3-A	Lab Control Sample Dup	73	85
MB 880-125345/1-A	Method Blank	72	77

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
 OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
 Project/Site: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1
 SDG: 3058

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-125282/5-A
 Matrix: Solid
 Analysis Batch: 125341

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 125282

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/25 11:00	12/02/25 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/25 11:00	12/02/25 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/25 11:00	12/02/25 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/01/25 11:00	12/02/25 11:20	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/01/25 11:00	12/02/25 11:20	1

Lab Sample ID: LCS 880-125282/1-A
 Matrix: Solid
 Analysis Batch: 125341

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 125282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1110		mg/Kg		111	70 - 130
Toluene	0.100	0.1058		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1081		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2117		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1043		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-125282/2-A
 Matrix: Solid
 Analysis Batch: 125341

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 125282

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1032		mg/Kg		103	70 - 130	7	35
Toluene	0.100	0.1022		mg/Kg		102	70 - 130	3	35
Ethylbenzene	0.100	0.1068		mg/Kg		107	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2024		mg/Kg		101	70 - 130	4	35
o-Xylene	0.100	0.1007		mg/Kg		101	70 - 130	4	35

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

Lab Sample ID: 880-65472-A-1-B MS
 Matrix: Solid
 Analysis Batch: 125341

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 125282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07832		mg/Kg		78	70 - 130
Toluene	<0.00200	U	0.100	0.07280		mg/Kg		73	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1
 SDG: 3058

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

Lab Sample ID: 880-65472-A-1-B MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125341

Prep Batch: 125282

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.07588		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1453		mg/Kg		73	70 - 130
o-Xylene	<0.00200	U	0.100	0.07442		mg/Kg		74	70 - 130

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

Lab Sample ID: 880-65472-A-1-C MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125341

Prep Batch: 125282

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.1050		mg/Kg		105	70 - 130	29	35
Toluene	<0.00200	U	0.100	0.09823		mg/Kg		98	70 - 130	30	35
Ethylbenzene	<0.00200	U	0.100	0.09861		mg/Kg		99	70 - 130	26	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1827		mg/Kg		91	70 - 130	23	35
o-Xylene	<0.00200	U	0.100	0.08985		mg/Kg		90	70 - 130	19	35

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

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

Lab Sample ID: MB 880-125345/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125408

Prep Batch: 125345

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/25 08:39	12/02/25 07:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/25 08:39	12/02/25 07:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/25 08:39	12/02/25 07:58	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	72		70 - 130	12/02/25 08:39	12/02/25 07:58	1
o-Terphenyl (Surr)	77		70 - 130	12/02/25 08:39	12/02/25 07:58	1

Lab Sample ID: LCS 880-125345/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 125408

Prep Batch: 125345

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Gasoline Range Organics (GRO)-C6-C10	1000	791.7		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	1000	776.5		mg/Kg		78	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1
 SDG: 3058

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

Lab Sample ID: LCS 880-125345/2-A
 Matrix: Solid
 Analysis Batch: 125408

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 125345

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	87		70 - 130
o-Terphenyl (Surr)	83		70 - 130

Lab Sample ID: LCSD 880-125345/3-A
 Matrix: Solid
 Analysis Batch: 125408

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 125345

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	848.0		mg/Kg		85	70 - 130	7		20
Diesel Range Organics (Over C10-C28)	1000	868.6		mg/Kg		87	70 - 130	11		20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	73		70 - 130
o-Terphenyl (Surr)	85		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125331/1-A
 Matrix: Solid
 Analysis Batch: 125349

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<10.0	U	10.0		mg/Kg			12/02/25 09:06	1

Lab Sample ID: LCS 880-125331/2-A
 Matrix: Solid
 Analysis Batch: 125349

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	RPD
Chloride	250	244.6		mg/Kg		98	90 - 110	

Lab Sample ID: LCSD 880-125331/3-A
 Matrix: Solid
 Analysis Batch: 125349

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Chloride	250	245.9		mg/Kg		98	90 - 110	1		20

Lab Sample ID: 880-65533-1 MS
 Matrix: Solid
 Analysis Batch: 125349

Client Sample ID: Backfill Sample
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Chloride	10.6		248	237.1		mg/Kg		91	90 - 110	

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QC Sample Results

Client: Carmona Resources
Project/Site: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1
SDG: 3058

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-65533-1 MSD
Matrix: Solid
Analysis Batch: 125349

Client Sample ID: Backfill Sample
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.6		248	238.2		mg/Kg		92	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
 Project/Site: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1
 SDG: 3058

GC VOA

Prep Batch: 125282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65533-1	Backfill Sample	Total/NA	Solid	5035	
MB 880-125282/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125282/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125282/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-65472-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-65472-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 125341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65533-1	Backfill Sample	Total/NA	Solid	8021B	125282
MB 880-125282/5-A	Method Blank	Total/NA	Solid	8021B	125282
LCS 880-125282/1-A	Lab Control Sample	Total/NA	Solid	8021B	125282
LCSD 880-125282/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125282
880-65472-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	125282
880-65472-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	125282

Analysis Batch: 125446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65533-1	Backfill Sample	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 125345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65533-1	Backfill Sample	Total/NA	Solid	8015NM Prep	
MB 880-125345/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125345/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-125345/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 125408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65533-1	Backfill Sample	Total/NA	Solid	8015B NM	125345
MB 880-125345/1-A	Method Blank	Total/NA	Solid	8015B NM	125345
LCS 880-125345/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125345
LCSD 880-125345/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125345

Analysis Batch: 125463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65533-1	Backfill Sample	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65533-1	Backfill Sample	Soluble	Solid	DI Leach	
MB 880-125331/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125331/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125331/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65533-1 MS	Backfill Sample	Soluble	Solid	DI Leach	
880-65533-1 MSD	Backfill Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1
SDG: 3058

HPLC/IC

Analysis Batch: 125349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65533-1	Backfill Sample	Soluble	Solid	300.0	125331
MB 880-125331/1-A	Method Blank	Soluble	Solid	300.0	125331
LCS 880-125331/2-A	Lab Control Sample	Soluble	Solid	300.0	125331
LCSD 880-125331/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125331
880-65533-1 MS	Backfill Sample	Soluble	Solid	300.0	125331
880-65533-1 MSD	Backfill Sample	Soluble	Solid	300.0	125331

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Lab Chronicle

Client: Carmona Resources
 Project/Site: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1
 SDG: 3058

Client Sample ID: Backfill Sample

Lab Sample ID: 880-65533-1

Date Collected: 12/01/25 00:00

Matrix: Solid

Date Received: 12/01/25 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	125282	12/02/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125341	12/02/25 12:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125446	12/02/25 12:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			125463	12/02/25 12:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125345	12/02/25 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125408	12/02/25 12:51	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125331	12/02/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			125349	12/02/25 09:23	CS	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1
SDG: 3058

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
Project/Site: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1
SDG: 3058

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Carmona Resources
Project/Site: Sun State Com #502H (10.31.2025)

Job ID: 880-65533-1
SDG: 3058

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-65533-1	Backfill Sample	Solid	12/01/25 00:00	12/01/25 15:15	Texas

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-65533-1

SDG Number: 3058

Login Number: 65533

List Number: 1

Creator: Dyal, Erica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-65533-1

SDG Number: 3058

Login Number: 65533

List Number: 2

Creator: Dyal, Erica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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

QUESTIONS

Action 531577

QUESTIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 531577
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2530470349
Incident Name	NAPP2530470349 SUN STATE COM 502H @ 30-025-51880
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-51880] SUN STATE COM #502H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Sun State Com 502H
Date Release Discovered	10/31/2025
Surface Owner	Private

Incident Details	
<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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Well Crude Oil Released: 22 BBL Recovered: 15 BBL Lost: 7 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Well Produced Water Released: 30 BBL Recovered: 20 BBL Lost: 10 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)	We had a reportable release at the Sun State Com 502H due to the enviro-pot coming off the pumping unit for reasons unknown at this time. Upon the Operator's arrival at the location, he found the well releasing fluid onto the well pad. The Operator immediately responded to shut the well in and stop the flow. Further investigation found a tubing pressure drop at 7:00 PM on 10/30/2025. The well did not ESD due to tubing pressure remaining at 60 psi, with the low pressure kill set at 10 psi. In total, 52 barrels of fluid were released onto the well pad, with all fluids contained on the pad. Vac trucks were able to recover 35 barrels of fluid. We will be scheduling an assessment and remediation of the affected area in the coming weeks.

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QUESTIONS, Page 2

Action 531577

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 531577
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (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: 12/03/2025
--	--

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QUESTIONS, Page 3

Action 531577

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 531577
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	272
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	344
GRO+DRO (EPA SW-846 Method 8015M)	284
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	11/18/2025
On what date will (or did) the final sampling or liner inspection occur	11/26/2025
On what date will (or was) the remediation complete(d)	11/26/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	9165
What is the estimated volume (in cubic yards) that will be remediated	510

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 531577

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 531577
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site 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.

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 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: 12/03/2025
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 531577

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 531577
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<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	No

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QUESTIONS, Page 6

Action 531577

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 531577
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	529260
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/26/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	125

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	9165
What was the total volume (cubic yards) remediated	510
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	The entire impacted area was excavated to a depths ranging from 1.5'-1.75'. All samples confirm that impact was removed from the entire site. The entire was backfilled and leveled with clean caliche.

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

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

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 12/03/2025
--	--

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Action 531577

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 531577
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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 531577

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 531577
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	2/11/2026