

SITE INFORMATION

Closure Report
Cypher 36 State Com 1 (07.03.2025)
Incident ID: NAPP2518476618
Eddy County, New Mexico
Unit A, Sec 36, T25S, R25E
32.09164°, -104.34296°

Produced Water Release

Point of Release: Lightning Struck the Facility Resulting in a Tank Fire

Release Date: 07.03.2025

Volume Released: 42 Barrels of Produced Water Volume Recovered: 42 Barrels of Produced Water

CARMONA RESOURCES



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

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

> 310 West Wall Street, Suite 500 Midland TX, 79701 432.813.1992



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August 28, 2025

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

Re: Closure Report

Cypher 36 State Com 1 (07.03.2025) Incident ID: nAPP2518476618 Cimarex Energy Co. of Colorado Site Location: Unit A, S36, T25S, R25E (Lat 32.09164°, Long -104.34296°) Eddy County, New Mexico

Mr. Bratcher:

On behalf of Cimarex Energy Co. of Colorado (Cimarex), Carmona Resources LLC has prepared this letter to document site assessment and remediation activities for the Cypher 36 State Com 1 release. The site is located at 32.09164°, -104.34296° within Unit A, S36, T25S, R25E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 3, 2025, due to a lightning strike at the facility resulting in a fire. It resulted in approximately forty-two (42) barrels of produced water to be released with approximately forty-two (42) barrels of produced water recovered. The spill boundaries are shown in Figure 3. The Notification of Release and Initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest water source is approximately 2.05 miles North of the site in S19, T25S, R26E and was last gauged in 2025. The well has a reported depth to groundwater of 69.02 feet below the ground surface (ft bgs). A copy of the summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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



4.0 Site Assessment Activities

Initial Assessment

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

Vertical Delineation

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

Horizontal Delineation

Horizontal delineation was achieved in the areas of H-1, H-3, and H-4 for Benzene, total BTEX, TPH, and Chloride concentrations. The area of H-2 showed elevated concentration of TPH at 241 mg/kg. The area of H-2 was delineated during remediation activities. Refer to Table 1.

5.0 Remediation Activities

Between August 15, 2025, through August 22, 2025, Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on August 13, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of BH-1 was excavated to a depth of 8.0' bgs. The area of BH-2 was excavated to a depth of 18' bgs. The area of BH-3 was excavated to a depth of 12' bgs. The areas of BH-4 and H-2 were excavated to a depth of 5' bgs. A total of twenty-three (23) confirmation floor samples were collected (CS-1 through CS-23), and twenty-seven (27) sidewall samples (SW-1 through SW-27) 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 300.0/4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4A through 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 4,450 square feet of contamination was remediated, resulting in 1,950 cubic yards of material excavated and transported offsite for proper disposal. Backfill operations were completed on August 28, 2025. A composite sample from the Fred Beard Backfill Pit, located at 32.161928°, -104.316363°, was collected for laboratory analysis on August 25, 2025, before being utilized. Laboratory data can be found in Table 2.



6.0 Conclusions

Based on the assessment and analytical data from the remediation, no further actions are required at the site. Cimarex 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

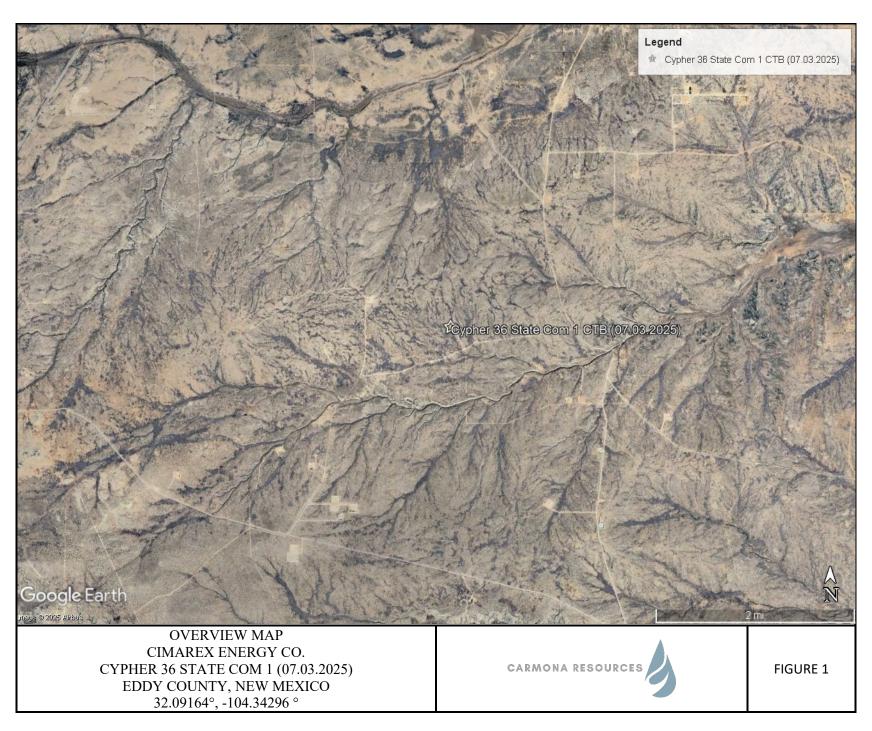
Environmental Manager

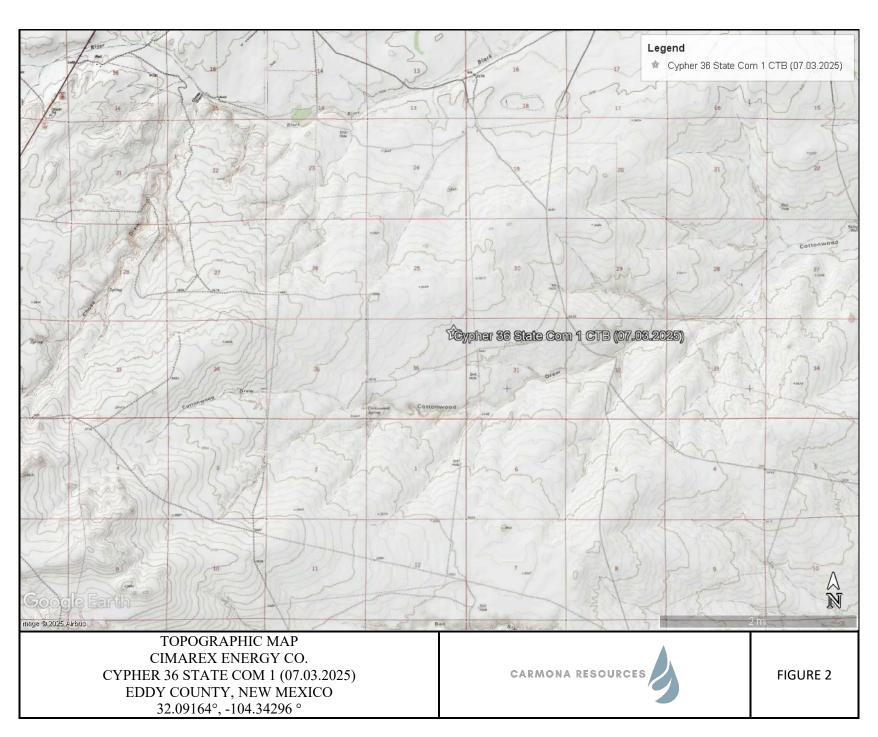
Gilbert Priego Project Manager

> 310 West Wall Street, Suite 500 Midland TX, 79701 432.813.1992

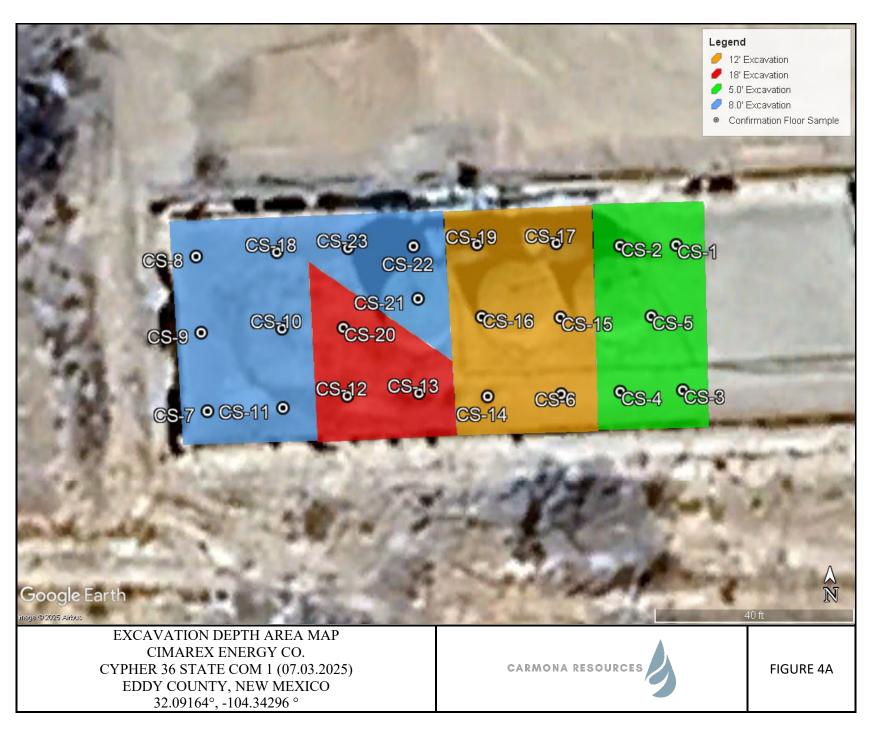
FIGURES

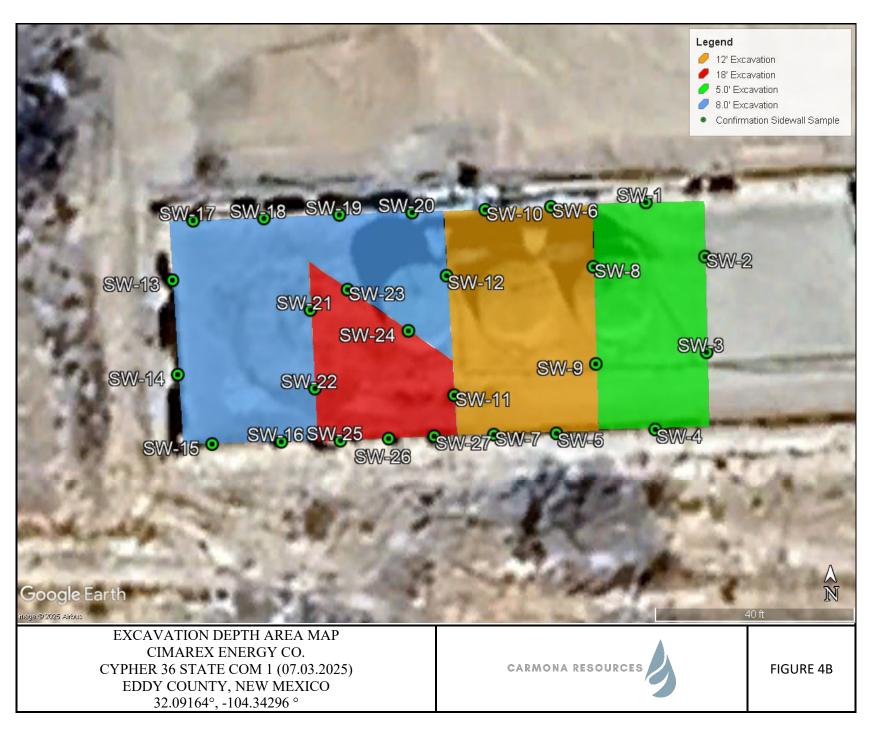
CARMONA RESOURCES











APPENDIX A

CARMONA RESOURCES

Table 1 Cimarex Energy Co. of Colorado Cypher 36 State Com 1 (07.03.2025) Eddy County, New Mexico

				TDU	(see or /liver)						Total	
Sample ID	Date	Depth (ft)	GRO	DRO	(mg/kg) MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	BTEX (mg/kg)	Chloride (mg/kg)
	7/24/2025	0-1.0	-	-	-	-	-	-	-	-	-	-
	"	2.0	-	-	-	-	-	-	-	-	-	-
		3.0	-	-	-	-	-	-	-	-	-	-
	"	4.0	-	-	-	-	-	-	-	-	-	-
		5.0	-	-	-	-	-	-	-	-	-	-
BH-1		6.0	-	-	-	-	-	-	-	-	_	-
		7.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	753
		8.0	-	-	-	-	-	-	-	-	-	-
		9.0	-	-	-	_	-	_	_	-	_	-
		10.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	268
	7/24/2025	0-1.0	-	-	-	-	-	-	-	-	-	-
	"	2.0	-	-	-	-	-	-	-	-	-	-
		3.0	-	-	-	-	-	-	-	-	-	-
	"	4.0	-	-	-	-	-	-	-	-	-	-
	"	5.0	-	-	-	-	-	-	-	-	-	-
BH-2	"	6.0	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-
		8.0	-	-	-	-	-	-	-	-	-	-
		9.0	-	-	-	-	-	-	-	-	-	-
	"	10.0	83.2	524	<50.0	607	<0.0200	<0.0200	0.0686	0.304	0.372	738
	"	15.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	2,060
	"	20.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	229
	7/24/2025	0-1.0	-	-	-	-	-	-	-	-	-	-
		2.0	-	-	-	-	-	-	-	-	_	-
		3.0	-	-	-	-	-	-	-	-	_	-
		4.0	-	_	_	-	_	-	-	_	_	_
		5.0	-	-	-	-	-	-	-	-	_	-
		6.0	-	-	_	-	-	-	-	-	_	_
BH-3		7.0	-	-	-	-	-	-	-	-	_	-
		8.0	_	_	_	_	_	_	-	_	_	_
		9.0	-	_	_		_	_	-	_	_	-
		10.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	874
		15.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	147
		20.0	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	91.8
			-40.1	170.1	-40.1	-40.7	10.00200	-0.00200	-0.00200	-0.00-101	-0.00-101	01.0
	7/24/2025	0-1.0	-	-	-	-	-	-	-	-	-	-
	"	2.0	-	-	-	-	-	-	-	-	-	-
	"	3.0	-	-	-	-	-	-	-	-	-	-
	"	4.0	-	-	-	-	-	-	-	-	-	-
BH-4		5.0	-	-	-	-	-	-	-	-	-	-
DIT T		6.0	-	-	-	-	-	-	-	-	-	-
	"	7.0	-	-	-	-	-	-	-	-	-	-
	"	8.0	-	-	-	-	-	-	-	-	-	-
		9.0	-	-	-	-	-	-	-	-	-	
		10.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	139
Regulato	ory Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
	19.15.29 NMA	,										

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons ft - feet (BH) Borehole Sample (-) Not Analyzed Removed

Table 1 Cimarex Energy Co. of Colorado Cypher 36 State Com 1 (07.03.2025) Eddy County, New Mexico

O ID	D. t.	Donath (ft)		TPH	(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
H-1	4/23/2025	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	281
H-2	4/23/2025	0-1.0	<49.9	241	<49.9	241	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.0
H-3	4/23/2025	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12.4
H-4	4/23/2025	0-1.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	23.2
Regulate	ory 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 (H) - Horizontal Sample Removed

Table 2
Cimarex Energy Co. of Colorado
Cypher 36 State Com 1 (07.03.2025)
Eddy County, New Mexico

				TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
CS-1	8/19/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-2	8/19/2025	5.0'	<10.0	16.9	<10.0	16.9	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-3	8/19/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-4	8/19/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-5	8/19/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-6	8/19/2025	12.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-7	8/19/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-8	8/19/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-9	8/19/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-10	8/21/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-11	8/21/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-12	8/21/2025	18.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-13	8/21/2025	18.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
CS-14	8/21/2025	12.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-15	8/21/2025	12.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-16	8/21/2025	12.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-17	8/18/2025	12.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-18	8/18/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
CS-19	8/18/2025	12.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-20	8/18/2025	18.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-21	8/22/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-22	8/22/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-23	8/22/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	ry Criteria ^A 19.15.29 NMAC	`				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
Cimarex Energy Co. of Colorado
Cypher 36 State Com 1 (07.03.2025)
Eddy County, New Mexico

Sample ID	Date	Donth (ft)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
SW-1	8/15/2025	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	56.5
SW-2	8/15/2025	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.4
SW-3	8/15/2025	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	21.9
SW-4	8/18/2025	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	48.4
SW-5	8/19/2025	12.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-6	8/19/2025	12.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-7	8/19/2025	12.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-8	8/21/2025	5.0'-12.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-9	8/21/2025	5.0'-12.0'	<10.0	12.3	<10.0	12.3	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-10	8/21/2025	12.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-11	8/21/2025	12.0'-18.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-12	8/21/2025	8.0'-12.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-13	8/21/2025	8.0'	<10.0	13.9	<10.0	13.9	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-14	8/21/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-15	8/21/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-16	8/21/2025	8.0'	<10.0	14.2	<10.0	14.2	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-17	8/21/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-18	8/22/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-19	8/22/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-20	8/22/2025	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-21	8/22/2025	8.0'-18.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-22	8/22/2025	8.0'-18.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-23	8/22/2025	8.0'-18.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-24	8/22/2025	8.0'-18.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-25	8/22/2025	18.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-26	8/22/2025	18.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-27	8/22/2025	18.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Backfill Sample	8/25/2025	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	262
	ry Criteria ^A 19.15.29 NMAC					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

Cimarex Energy Co. of Colorado

Photograph No. 1

Facility: Cypher 36 State Com 1

(07.03.2025)

County: Eddy County, New Mexico

Description:

View Southeast, area of CS-1 through CS-6.



Photograph No. 2

Facility: Cypher 36 State Com 1

(07.03.2025)

County: Eddy County, New Mexico

Description:

View Northeast, area of CS-1 through CS-6, CS-12

through CS-20.



Photograph No. 3

Facility: Cypher 36 State Com 1

(07.03.2025)

County: Eddy County, New Mexico

Description:

View Northwest, area of CS-7 through CS-11, CS-18.





PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

Photograph No. 4

Cypher 36 State Com 1 Facility:

(07.03.2025)

Eddy County, New Mexico County:

Description:

View East, area of CS-1 through CS-23.



Photograph No. 5

Cypher 36 State Com 1 Facility:

(07.03.2025)

Eddy County, New Mexico County:

Description:

View East, area of CS-7 through CS-11, CS-18, CS-21 through CS-23.



Photograph No. 6

Facility: Cypher 36 State Com 1

(07.03.2025)

County: Eddy County, New Mexico

Description:

View Southeast, area of CS-7 through CS-11, CS-18, CS-21 through CS-23.





PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

Photograph No. 7

Facility: Cypher 36 State Com 1

(07.03.2025)

County: Eddy County, New Mexico

Description:

View South, area of CS-12, CS-13, and CS-20.



APPENDIX C

CARMONA RESOURCES

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 481746

QUESTIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	481746
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

Location of Release Source					
Please answer all the questions in this group.					
Site Name	CYPHER 36 STATE COM 1				
Date Release Discovered	07/03/2025				
Surface Owner	State				

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications	for the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Fire Tank (Any) Produced Water Released: 42 BBL Recovered: 42 BBL Lost: 0 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)	The Lease Operator was near the Cypher facility and saw lightning strike the facility. Upon arrival, the Operator saw the 300-barrel fiberglass tank on fire. The Fire Department was notified and successful extinguished the fire. The fiberglass tank was the only equipment destroyed. Based on tank gauges, an estimated 42 barrels produced water was released into the gravel lined containment. Vac trucks were able to recover a total of 100 barrels fluid, a combination of rainwater, fluid from the fire trucks and produced water released from the burnt tank. The impacted gravel will be removed to expose the liner. A liner inspection will be scheduled in the coming weeks.

General Information Phone: (505) 629-6116 Online Phone Directory

https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 2

Action 481746

QUESTIONS (continued)

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	481746
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

ature 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 (ith the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.)	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a sa	afety 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.

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

ACKNOWLEDGMENTS

Action 481746

ACKNOWLEDGMENTS

ı	Operator:	OGRID:
ı	CIMAREX ENERGY CO. OF COLORADO	162683
ı	6001 Deauville Blvd	Action Number:
ı	Midland, TX 79706	481746
ı		Action Type:
ı		[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

$\overline{\lor}$	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.	
V	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.	
V	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.	
V	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.	
V	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.	
V	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.	

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 481746

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	481746
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

CONDITIONS

	Created	Condition	Condition
L	Ву		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.	7/3/2025

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 495551

QUESTIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495551
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites		
Incident ID (n#)	nAPP2518476618	
Incident Name	NAPP2518476618 CYPHER 36 STATE COM 1 @ 0	
Incident Type	Fire	
Incident Status	Initial C-141 Approved	
Incident Facility	[fAPP2202536779] CYPHER 36 STATE COM 1	

Location of Release Source	
Site Name	CYPHER 36 STATE COM 1
Date Release Discovered	07/03/2025
Surface Owner	State

Sampling Event General Information			
Please answer all the questions in this group.	Please answer all the questions in this group.		
What is the sampling surface area in square feet	5,000		
What is the estimated number of samples that will be gathered	35		
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/15/2025		
Time sampling will commence	10:00 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	32.09164,-104.34296		

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 495551

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495551
	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.	8/13/2025
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.	8/13/2025

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 495553

QUESTIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495553
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2518476618
Incident Name	NAPP2518476618 CYPHER 36 STATE COM 1 @ 0
Incident Type	Fire
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202536779] CYPHER 36 STATE COM 1

Location of Release Source	
Site Name	CYPHER 36 STATE COM 1
Date Release Discovered	07/03/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	5,000
What is the estimated number of samples that will be gathered	35
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/18/2025
Time sampling will commence	10:00 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	32.09164,-104.34296

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 495553

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495553
	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.	8/13/2025
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.	8/13/2025

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 495555

QUESTIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495555
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2518476618
Incident Name	NAPP2518476618 CYPHER 36 STATE COM 1 @ 0
Incident Type	Fire
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202536779] CYPHER 36 STATE COM 1

Location of Release Source	
Site Name	CYPHER 36 STATE COM 1
Date Release Discovered	07/03/2025
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	5,000	
What is the estimated number of samples that will be gathered	35	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/19/2025	
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	32.09164,-104.34296	

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 495555

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495555
	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.	8/13/2025
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.	8/13/2025

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 495556

QUESTIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495556
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2518476618
Incident Name	NAPP2518476618 CYPHER 36 STATE COM 1 @ 0
Incident Type	Fire
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202536779] CYPHER 36 STATE COM 1

Location of Release Source	
Site Name	CYPHER 36 STATE COM 1
Date Release Discovered	07/03/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	5,000
What is the estimated number of samples that will be gathered	35
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/20/2025
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	32.09164,-104.34296

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 495556

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495556
	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.	8/13/2025
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.	8/13/2025

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 495559

QUESTIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495559
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2518476618
Incident Name	NAPP2518476618 CYPHER 36 STATE COM 1 @ 0
Incident Type	Fire
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202536779] CYPHER 36 STATE COM 1

Location of Release Source	
Site Name	CYPHER 36 STATE COM 1
Date Release Discovered	07/03/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	5,000
What is the estimated number of samples that will be gathered	35
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/21/2025
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	32.09164,-104.34296

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 495559

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495559
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created B	/ 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.	8/13/2025
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.	8/13/2025

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 495564

QUESTIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495564
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2518476618
Incident Name	NAPP2518476618 CYPHER 36 STATE COM 1 @ 0
Incident Type	Fire
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202536779] CYPHER 36 STATE COM 1

Location of Release Source	
Site Name	CYPHER 36 STATE COM 1
Date Release Discovered	07/03/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	5,000
What is the estimated number of samples that will be gathered	35
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/22/2025
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	32.09164,-104.34296

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 495564

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495564
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created B	/ 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.	8/13/2025
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.	8/13/2025

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 495566

QUESTIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495566
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites						
Incident ID (n#)	nAPP2518476618					
Incident Name	NAPP2518476618 CYPHER 36 STATE COM 1 @ 0					
Incident Type	Fire					
Incident Status	Initial C-141 Approved					
Incident Facility	[fAPP2202536779] CYPHER 36 STATE COM 1					

Location of Release Source				
Site Name	CYPHER 36 STATE COM 1			
Date Release Discovered	07/03/2025			
Surface Owner	State			

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	5,000
What is the estimated number of samples that will be gathered	35
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/25/2025
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	32.09164,-104.34296

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 495566

CONDITIONS

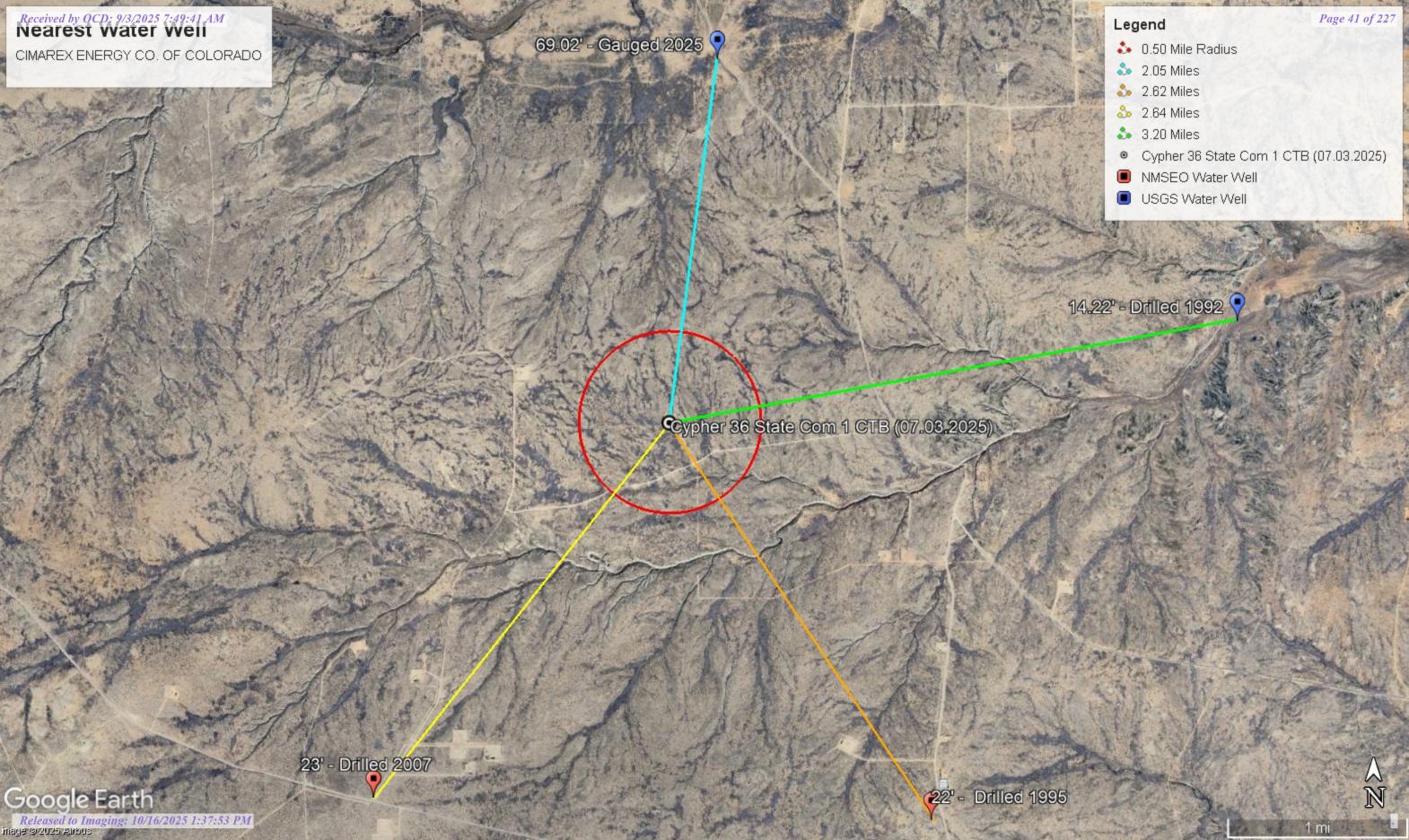
Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	495566
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

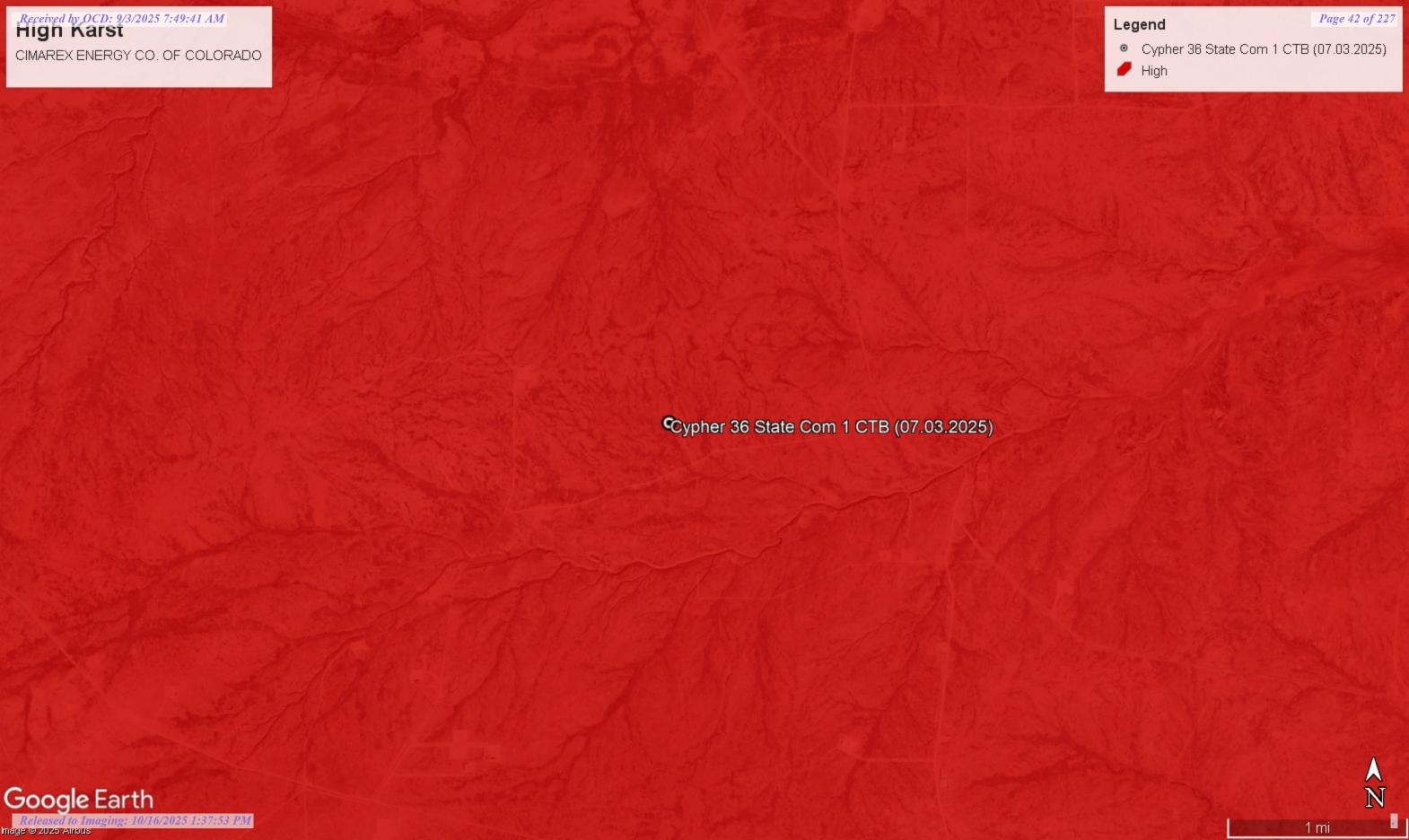
CONDITIONS

Created B	/ 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.	8/13/2025
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.	8/13/2025

APPENDIX D

CARMONA RESOURCES







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

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

(quarters are smallest to

right me.)	cioseu)			larges	L)								(illeters)		(III leet)	
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Мар	Distance		Depth Water	
C 04013 POD1		C	ED	SE	NE	NE	24	25S	25E	562099.6	3553979.0	•	3198	120	66	54
<u>C 03035</u>		С	ED	NE	NE	NE	24	25S	25E	562091.0	3554125.0 *	•	3344	120	70	50

Average Depth to Water: 68 feet

Minimum Depth: 66 feet

(In foot)

Maximum Depth: **70 feet**

Record Count: 2

UTM Filters (in meters):

Easting: 561999.00 **Northing:** 3550782.00

Radius: 4000

* UTM location was derived from PLSS - see Help

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



Click to hideNews Bulletins

 Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site no list =

• 320719104200201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320719104200201 25S.26E.19.111443 609

Eddy County, New Mexico

Latitude 32°07'14.5", Longitude 104°20'18.6" NAD83

Land-surface elevation 3,415.00 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) 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 measu
1949-11-19		D	62610		3345.08	NGVD29	1	Z		
1949-11-19		D	62611		3346.78	NAVD88	1	Z		
1949-11-19		D	72019	69.92			1	Z		
1953-11-06		D	62610		3344.15	NGVD29	1	Z		
1953-11-06		D	62611		3345.85	NAVD88	1	Z		
1953-11-06		D	72019	70.85			1	Z		
1978-01-03		D	62610		3347.40	NGVD29	1	Z		
1978-01-03		D	62611		3349.10	NAVD88	1	Z		
1978-01-03		D	72019	67.60			1	Z		
1992-11-19		D	62610		3348.47	NGVD29	1	S		
1992-11-19		D	62611		3350.17	NAVD88	1	S		
1992-11-19		D	72019	66.53			1	S		
1998-01-08		D	62610		3346.52	NGVD29	1	S		
1998-01-08		D	62611		3348.22	NAVD88	1	S		
1998-01-08		D	72019	68.48			1	S		
2003-01-30		D	62610		3343.17	NGVD29	1	S	US	GS

Date	Time	? Water-level date-time accuracy	? Par cod	ameter le	Water level, feet below land surface	Water level, feet above specific vertical datum		Referenced vertical datum
2003-01-30	D	62611		3344.87	NAVD88	1	S	USGS
2003-01-30	D	72019	71.83			1	S	USGS
2013-01-08 19:40 U	ΓC m	62610		3341.52	NGVD29	1	S	USGS
2013-01-08 19:40 U	ГС т	62611		3343.22	NAVD88	1	S	USGS
2013-01-08 19:40 U	ГС m	72019	73.48			1	S	USGS
2018-02-01 18:00 U	ΓC m	62610		3348.73	NGVD29	Р	S	USGS
2018-02-01 18:00 U	ΓC m	62611		3350.43	NAVD88	Р	S	USGS
2018-02-01 18:00 U	ΓC m	72019	66.27			Р	S	USGS
2021-02-25 19:58 U	ΓC m	62610		3347.13	NGVD29	1	S	USGS
2021-02-25 19:58 U	ΓC m	62611		3348.83	NAVD88	1	S	USGS
2021-02-25 19:58 U	ΓC m	72019	67.87			1	S	USGS
2022-01-12 19:50 U	ΓC m	62610			NGVD29	6	S	USGS
2022-01-12 19:50 U	ΓC m	62611			NAVD88	6	S	USGS
2022-01-12 19:50 U	ГС т	72019				6	S	USGS
2024-03-01 19:21 U	ΓC m	62610		3346.19	NGVD29	1	S	USGS
2024-03-01 19:21 U	ΓC m	62611		3347.89	NAVD88	1	S	USGS
2024-03-01 19:21 U	ΓC m	72019	68.81			1	S	USGS
2025-01-02 16:00 U	ΓC m	62610		3345.98	NGVD29	Р	S	USGS
2025-01-02 16:00 U	ΓC m	62611		3347.68	NAVD88	Р	S	USGS
2025-01-02 16:00 U	ΓC m	72019	69.02			Р	S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	6	Measurement unable to be obtained due to local conditions
Status	Р	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	Α	Approved for publication Processing and review completed.

<u>Questions or Comments</u> <u>Help</u> Data Tips Explanation of terms
Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices

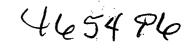
U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels

USA.gov

Date	Time	?	?	Water level,	Water level,	Referenced vertical	?
P 0	5	Water-level date-time accuracy	Parameter code	feet below land surface	feet above specific vertical datum	datum	S

Revised June 1972

STATE ENGINEER OFFICE WELL RECORD



Section 1. GENERAL INFORMATION

	Post Office Ac	ldress <u>P</u>	9 · Box 1	778	· ·		rea Öŵ	AN WEIN	°- AM-1	U 3 9
		•	-NM 9822				SAN	TE ENGIN	EER C	FFICE
Well was drilled	under Permit	No. <u>G - 2</u>	407		and i	s located	in the:	ITA FE H	CW ME	XICO
a. <u>NW</u>	_ ¼ <u>se</u> _ ½	4 <u>NW</u> 1/4 _	¼ of Se	ction <u>0 g</u>	Tov	vnship	265 R	ange 26E		N.M.I
b. Tract	No	of Map N	0	of	the					
c. Lot No	D	of Block No.		of 1	the					
		-								
							System			
(B) Drilling C	ontractor	ampbell	Drillin	<u>e</u> ———			License No	<u> </u>	9 \$ 9 7 9	₩ D - 1 2
				•				_		
							Cable			10 1
• •							ft. Total dep		•	
•										
Completed well	.1S L¥ S	hallow 🗀 .					upon completion	on of well	<u> </u>	
Depth	n Feet	Thickne	ection 2. PRIN					Est	timated `	Y ield
From	То	in Feet		Description of	oi Water-l	Bearing F	ormation	(gallo	ons per r	ninu'te)
2.2	23	1	Bros	vn_Lime	& Gyi	n		1	1/2	١
62	6.5	3	Brow	vn_Lime	& Gyi	n		11	1/2	
							·····			
			Section	on 3. RECOF	D OF CA	ASING				
Diameter (inches)	Pounds per foot	Threads per in.	Depth Top	in Feet Bottom		ength feet)	Type of S	hoe	Perfor From	ations
, , , , ,							2 - 2 3			<u>_</u>
7	23		1 1/2	160			collar		20	1 6 C
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	· 									
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							· · · · · · · · · · · · · · · · · · ·			
			Section	on 5. PLUGC	GING REG	CORD				
Plugging Contra						r	T			
Address Plugging Metho	d					No.	Depth i	n Feet Bottom		bic Fee Cement
Date Wall Pluce						1 2				
	-		ngineer Repres	entative		3.				
Plugging approv	·	State E	agmicul itebres			4	<u> </u>	<u> </u>		
		State E		OF STATE	ENGINE	ED ONE			··············	
	04-20-9			OF STATE						
Plugging approv		95	FOR USE	Qu	ad		Y FWL			

	7:49:41 AM	Section 6. LOG OF HOLE	Page 48
Depth in Feet From To		Color and Type of Material Encountered	
0 1	. 1	Top Soil	
1 1	.4 13	Caliche	
14	.2 3	Brown Lime & Gyo KWHKEKKKHHEKKK	
22	23 1	Brown Lime & Gyp & Nolkhikk (water bearing)	
23 6	39	Brown Lime & Dolimite X &Gyp	
62 1	.5 3	Brown Lime & Gyp (water bearing)	:
65	71 6	Brown Lime & Syp (hard) Crills up real fine	
71	3 1.7	Tan Lime & Dolimite (hard)	
83 14	50 77	Dolinite & Gyp	
			 ,
			
·			
		· · · · · · · · · · · · · · · · · · ·	

Section 7. REMARKS AND ADDITIONAL INFORMATION

Plugged well back to 60 ft. Bottom water very bad. Gravel back, set two sacks bentonite and rive sacks cement. Set for 48 hrs and tagged up at 60 ft.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct recorded the described hole.

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, exert Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When the n is used as a plugging record, only Section nd Section 5 need be completed.



STATE ENGINEER OFFICE WELL RECORD



Pod 2 468986

Section 1. GENERAL INFORMATION

(A) Owner	of well <u>Gary</u> or Post Office A	<u>Lovela</u>	dy 50 Robac	als Inn	D &		· ·	Owner's W	'ell No	-
Street o	or Post Office Add StateS	an Marco	s, TX 78	3666	Ku.					
Well was drille	ed under Permit	No3.	321		and	is located	l in the: N	13.2Dea0	4.680'	
	1/4 NW 1									N.N
	t No									
	No livision, recorde									······································
							System			Zo
	Contractor	•								
	317 Etche									7 7,
Drilling Began	<u>2-6-07</u>	Com	pleted2	<u>-8-07</u>	Тур	e tools <u> </u>	Rotary		Size of hole_	6 1/
Elevation of la	and surface or _			at	well is	3480	ft. Total	depth of w	ell 150	
Completed we	ell is 🔀 si	hallow 🗀 a	artesian.		Depti	h to water	upon comp	oletion of w	re[123	
Denth	in Feet	Sec	tion 2. PRIN	CIPAL WA	TER-BEA	ARING ST	RATA		Estimated	Vield
From	То	in Feet	<u> </u>	Description	of Water-	Bearing F	ormation		(gallons per	
60	150	110	Anhy	drite:	do ok	vious	zones		1/2-3/	4
										
<u>.</u>							· · · · · · · · · · · · · · · · · · ·			
		· · · · · · · · · · · · · · · · · · ·		n 3. RECOI			·			
Diameter (inches)	Pounds per foot	Threads per in.	Depth Top	in Feet Bottom		ength feet)	Туре	of Shoe	Perfo From	rations To
5	Sch 40	PVC	+1.5	+1.5 150 151.		51.5	Cap		110	150
			:							}
_									<u></u>	<u></u>
Denth	in Feet	Secti Hole	on 4, RECOF		DDING A					-
From	To	Diameter	of Mu		of Ceme			Method of	Placement	
Land Time	<									
Traffic Pool P										
	Figure 1		Section	n 5. PLUGO	GING RE	CORD				
	actor						Dep	th in Feet	Cu	bic Fee
	od					No.	Тор	Bott		Cemen
Date Well Plug Plugging appro	ged ved by:					2				
~~ ~ ~ £ £ ~ °	- -	State Eng	ineer Represe	ntative		3 4			-	
			FOR USE	OF STATE	ENGINE		<u></u>		<u> </u>	
Doto Da	4.30.00	7								
Date Received	4.30.01	7 .		. Ou:	ad		F\	WL	FSL	
	4.30.0°			Qu Q	ad		F	WL	FSL 5E.3.	112/

····	3/2025 7:49:41 in Feet	Thickness	Section 6. LOG OF HOLE	Page 50 of
From	To	in Feet	Color and Type of Material Encountered	
0	8	8	Soil	
8 .	70	62	Anhy:frstd,wht,lt gry,fn xln-dns,chlky	in prt,sme
,,,,			yel clay	
79	72	2	Clay:blu gry,smth	
72	94	22	Anhydrite:frstd,gry,wht,vfn-x1n-dns	<u> </u>
94	150	56	Anhydrite:frstd,gry,wht,vfn-fn xln,sme	dns,sme rou
<u> </u>				
	·			- Lay Birth
**************************************	· · · · · · · · · · · · · · · · · · ·			
·			***************************************	
				-
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				A Section 1
	<u> </u>			
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			· · · · · · · · · · · · · · · · · · ·	·

Section 7. REMARKS AND ADDITIONAL INFORMATION

Small amount of water is present. Bailed to test. Ran casing to 150' with packer at 20'. Grouted with bentonite chips from 20' to surface.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When the subsection is used as a plugging record, only Section 5 need be completed.



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources



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Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site no list =

• 320559104172201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320559104172201 25S.26E.28.423113

Eddy County, New Mexico

Table of data

Tab-separated data

Graph of data

Latitude 32°05'59", Longitude 104°17'22" NAD27

Land-surface elevation 3,283 feet above NAVD88

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

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

Output formats

Reselect per										
<u>veserect per</u>	<u>iou</u>									
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 measur
1983-02-01		D	62610		3266.82	NGVD29	1	Z	:	
1983-02-01		D	62611		3268.50	NAVD88	1	Z		
1983-02-01		D	72019	14.50			1	Z	:	
1987-10-08	3	D	62610		3268.06	NGVD29	1	Z		
1987-10-08	3	D	62611		3269.74	NAVD88	1	Z		
1987-10-08	3	D	72019	13.26			1	Z		
1992-11-19)	D	62610		3267.10	NGVD29	Р	S	;	
1992-11-19)	D	62611		3268.78	NAVD88	Р	S	;	
1992-11-19)	D	72019	14.22			Р	S	;	

Fx	nlaı	nati	on

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet

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

Questions or Comments Help

Data Tips

Explanation of terms
Subscribe for system changes

Accessibility FOIA Policies and Notices Privacy

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels

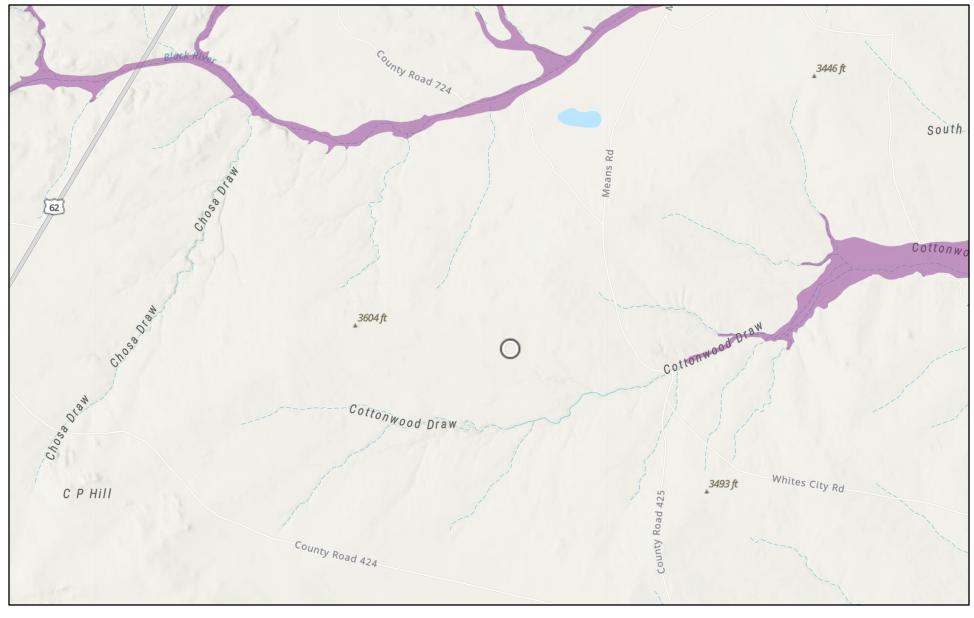
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer Page Last Modified: 2025-07-16 08:47:46 EDT

0.37 0.29 nadww02



Cypher 36 State Com 1 CTB (07.03.2025)

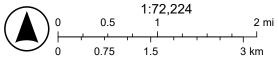


7/16/2025

USA Flood Hazard Areas

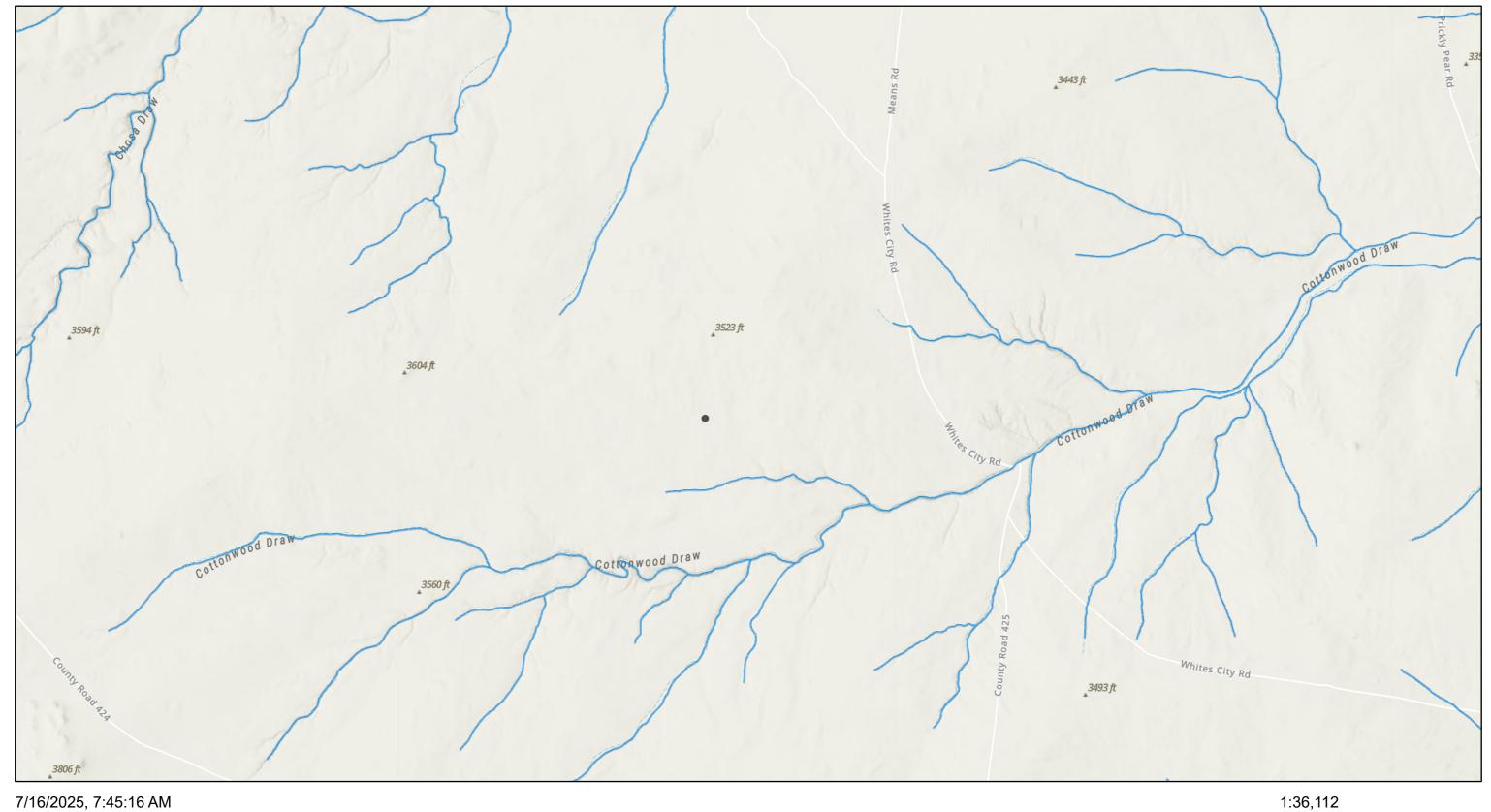
1% Annual Chance Flood Hazard

World_Hillshade

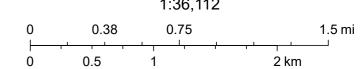


Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User

Cypher 36 State Com 1 CTB (07.03.2025)



OSE Streams



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

APPENDIX E

CARMONA RESOURCES

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/28/2025 1:13:51 PM

JOB DESCRIPTION

Cypher 36 State Com 1 Eddy Co, NM

JOB NUMBER

880-60774-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 7/28/2025 1:13:51 PM

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

3

4

5

7

a

10

12

13

14

Client: Carmona Resources Project/Site: Cypher 36 State Com 1 Laboratory Job ID: 880-60774-1 SDG: Eddy Co, NM

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QC Association Summary	20
Lab Chronicle	23
Certification Summary	26
Method Summary	27
Sample Summary	28
Chain of Custody	29
Receipt Checklists	34

Definitions/Glossary

Job ID: 880-60774-1 Client: Carmona Resources Project/Site: Cypher 36 State Com 1 SDG: Eddy Co, NM

Qualifiers

GC VOA

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

U

GC Semi VOA

Qualifier **Qualifier Description**

S1-Surrogate recovery exceeds control limits, low biased. U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

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

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DFR 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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL 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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Project: Cypher 36 State Com 1 Job ID: 880-60774-1

Job ID: 880-60774-1 Eurofins Midland

Job Narrative 880-60774-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/25/2025 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -5.6°C.

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH-2 (10.0') (880-60774-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: BH-2 (10.0') (880-60774-20). Elevated reporting limits (RLs) are provided.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-1 (7.0') (880-60774-7), BH-2 (15') (880-60774-21) and BH-3 (10.0') (880-60774-32). Evidence of matrix interferences is not obvious.

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

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-115058 and analytical batch 880-115061 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

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Client: Carmona Resources Project/Site: Cypher 36 State Com 1 Job ID: 880-60774-1

SDG: Eddy Co, NM

Client Sample ID: BH-1 (7.0')

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35

Lab Sample ID: 880-60774-7

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/25/25 10:30	07/25/25 13:59	1
Toluene	< 0.00199	U	0.00199		mg/Kg		07/25/25 10:30	07/25/25 13:59	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		07/25/25 10:30	07/25/25 13:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/25/25 10:30	07/25/25 13:59	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		07/25/25 10:30	07/25/25 13:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/25/25 10:30	07/25/25 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				07/25/25 10:30	07/25/25 13:59	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/25/25 10:30	07/25/25 13:59	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/25/25 13:59	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/25/25 17:20	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/25/25 10:35	07/25/25 17:20	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/25/25 10:35	07/25/25 17:20	1
C10-C28)	-50.0		50.0		11.6		07/05/05 40 05	07/05/05 47 00	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/25 10:35	07/25/25 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130				07/25/25 10:35	07/25/25 17:20	1
o-Terphenyl (Surr)	67	S1-	70 - 130				07/25/25 10:35	07/25/25 17:20	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	hy - Solubl	۵						
Analyte	• •	Qualifier	RL						

Client Sample ID: BH-1 (10.0') Lab Sample ID: 880-60774-10 Date Collected: 07/24/25 00:00 **Matrix: Solid**

753

10.0

mg/Kg

Date Received: 07/25/25 09:35

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/25 10:30	07/25/25 14:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/25 10:30	07/25/25 14:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/25 10:30	07/25/25 14:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/25/25 10:30	07/25/25 14:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/25 10:30	07/25/25 14:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/25/25 10:30	07/25/25 14:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				07/25/25 10:30	07/25/25 14:19	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/25/25 10:30	07/25/25 14:19	1

Eurofins Midland

07/26/25 03:59

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-60774-1

SDG: Eddy Co, NM

Client Sample ID: BH-1 (10.0')

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35 Lab Sample ID: 880-60774-10

Matrix: Solid

Method: TAL SOP Total BTEX - To	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/25/25 14:19	1
Method: SW846 8015 NM - Diesel Analyte		ics (DRO) (G	SC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		ma/Ka			07/25/25 18:08	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/25/25 10:35	07/25/25 18:08	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/25 10:35	07/25/25 18:08	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/25 10:35	07/25/25 18:08	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	82		70 - 130				07/25/25 10:35	07/25/25 18:08	-
o-Terphenyl (Surr)	73		70 - 130				07/25/25 10:35	07/25/25 18:08	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	268		9.96		mg/Kg			07/26/25 04:04	1

Client Sample ID: BH-2 (10.0') Lab Sample ID: 880-60774-20 Date Collected: 07/24/25 00:00 **Matrix: Solid**

Date Received: 07/25/25 09:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.0200	U	0.0200		mg/Kg		07/25/25 10:30	07/25/25 14:40	10
Toluene	<0.0200	U	0.0200		mg/Kg		07/25/25 10:30	07/25/25 14:40	10
Ethylbenzene	0.0686		0.0200		mg/Kg		07/25/25 10:30	07/25/25 14:40	10
m-Xylene & p-Xylene	0.0588		0.0400		mg/Kg		07/25/25 10:30	07/25/25 14:40	10
o-Xylene	0.245		0.0200		mg/Kg		07/25/25 10:30	07/25/25 14:40	10
Xylenes, Total	0.304		0.0400		mg/Kg		07/25/25 10:30	07/25/25 14:40	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	262	S1+	70 - 130				07/25/25 10:30	07/25/25 14:40	10
4.4.Diff	7.0		70 400				07/05/05 10 00	07/05/05 44:40	10
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX -	76 Total BTEX Calo	culation	70 - 130				07/25/25 10:30	07/25/25 14:40	N
	Total BTEX Cald	culation Qualifier	70 ₋ 130	MDL	Unit	D	07/25/25 10:30 Prepared	07/25/25 14:40 Analyzed	
Method: TAL SOP Total BTEX -	Total BTEX Cald			MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX	Total BTEX Calc Result 0.372	Qualifier	RL 0.0400	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies	Total BTEX Calc Result 0.372 sel Range Organ	Qualifier	RL 0.0400	MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte	Total BTEX Calc Result 0.372 sel Range Organ	Qualifier ics (DRO) (RL 0.0400		mg/Kg	_ =	Prepared	Analyzed 07/25/25 14:40	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Result 0.372 sel Range Organ Result 607	Qualifier ics (DRO) (Qualifier	RL 0.0400 ————————————————————————————————		mg/Kg	_ =	Prepared	Analyzed 07/25/25 14:40 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die	rotal BTEX Calc Result 0.372 sel Range Organ Result 607 essel Range Orga	Qualifier ics (DRO) (Qualifier	RL 0.0400 ————————————————————————————————		mg/Kg Unit mg/Kg	_ =	Prepared	Analyzed 07/25/25 14:40 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	rotal BTEX Calc Result 0.372 sel Range Organ Result 607 essel Range Orga	Qualifier ics (DRO) (Qualifier nics (DRO)	RL 0.0400 GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 07/25/25 14:40 Analyzed 07/25/25 18:24	Dil Fac

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Client Sample ID: BH-2 (10.0')

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

Lab Sample ID: 880-60774-20

Matrix: Solid

Job ID: 880-60774-1 SDG: Eddy Co, NM

Method: SW846 8015B NM	 Diesel Range Organics (D) 	RO) (GC)	(Continued)

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/25/25 10:35	07/25/25 18:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analvzed	Dil Fac
Surrogate	7011CCC 1 C1 y	~~~~~						
1-Chlorooctane (Surr)	79		70 - 130			07/25/25 10:35	07/25/25 18:24	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	738		9.98		mg/Kg			07/26/25 04:10	1

Client Sample ID: BH-2 (15')

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35

Lab Sample ID: 880-60774-21

Matrix: Solid

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/26/25 11:49	07/26/25 15:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/26/25 11:49	07/26/25 15:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/26/25 11:49	07/26/25 15:03	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/26/25 11:49	07/26/25 15:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/26/25 11:49	07/26/25 15:03	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/26/25 11:49	07/26/25 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				07/26/25 11:49	07/26/25 15:03	1
4.4.0%	0.4		70 400				07/00/05 11 10	07/00/05 45 00	

Surrogate	701 Tecovery	Qualifier	Lillits		rrepared	Allalyzeu	Dii i ac
4-Bromofluorobenzene (Surr)	95		70 - 130	_	07/26/25 11:49	07/26/25 15:03	1
1,4-Difluorobenzene (Surr)	81		70 - 130		07/26/25 11:49	07/26/25 15:03	1
_							

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit) _	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/26/25 15:03	1

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

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8 U	49.8	mg/Kg			07/25/25 18:40	1

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

mothod. Offoro out ob 14m Bloc	or italigo orgo	unos (Bito	, (33)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		07/25/25 10:35	07/25/25 18:40	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		07/25/25 10:35	07/25/25 18:40	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/25/25 10:35	07/25/25 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

1-Chlorooctane (Surr)	71	70 - 130	07/25/25 10:35	07/25/25 18:40	1
o-Terphenyl (Surr)	66 S1-	70 - 130	07/25/25 10:35	07/25/25 18:40	1
_					

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2060		49.9		mg/Kg			07/26/25 04:15	5

Date Received: 07/25/25 09:35

Client Sample Results

Client: Carmona Resources Project/Site: Cypher 36 State Com 1 Job ID: 880-60774-1 SDG: Eddy Co, NM

Lab Sample ID: 880-60774-22 Client Sample ID: BH-2 (20') Date Collected: 07/24/25 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/25 11:49	07/26/25 15:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/25 11:49	07/26/25 15:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/25 11:49	07/26/25 15:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/26/25 11:49	07/26/25 15:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/25 11:49	07/26/25 15:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/26/25 11:49	07/26/25 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				07/26/25 11:49	07/26/25 15:23	1
1,4-Difluorobenzene (Surr)	87		70 - 130				07/26/25 11:49	07/26/25 15:23	1

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00399 0.00399 mg/Kg 07/26/25 15:23

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 07/25/25 18:56 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <49.9 U 49.9 07/25/25 10:35 07/25/25 18:56 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 49.9 07/25/25 10:35 07/25/25 18:56 mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 07/25/25 10:35 07/25/25 18:56 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane (Surr) 82 70 - 130 07/25/25 10:35 07/25/25 18:56

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 229 10.0 07/26/25 04:33 mg/Kg

70 - 130

72

Client Sample ID: BH-3 (10.0') Lab Sample ID: 880-60774-32

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35

o-Terphenyl (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/26/25 11:49	07/26/25 15:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/26/25 11:49	07/26/25 15:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/26/25 11:49	07/26/25 15:44	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/26/25 11:49	07/26/25 15:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/26/25 11:49	07/26/25 15:44	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/26/25 11:49	07/26/25 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				07/26/25 11:49	07/26/25 15:44	1
1,4-Difluorobenzene (Surr)	77		70 - 130				07/26/25 11:49	07/26/25 15:44	1

Eurofins Midland

Matrix: Solid

07/25/25 10:35

07/25/25 18:56

Job ID: 880-60774-1

SDG: Eddy Co, NM

Client: Carmona Resources Project/Site: Cypher 36 State Com 1

Client Sample ID: BH-3 (10.0')

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35

Lab Sample ID: 880-60774-32

07/26/25 04:38

Matrix: Solid

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/26/25 15:44	1
- Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/25/25 19:12	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/25/25 10:35	07/25/25 19:12	
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/25/25 10:35	07/25/25 19:12	
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/25 10:35	07/25/25 19:12	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	79		70 - 130				07/25/25 10:35	07/25/25 19:12	
o-Terphenyl (Surr)	68	S1-	70 - 130				07/25/25 10:35	07/25/25 19:12	
Method: EPA 300.0 - Anions, Ion	Chromatogran	hv - Solubl	e						
Analyte	• .	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: BH-3 (15') Lab Sample ID: 880-60774-33

10.1

mg/Kg

874

Date Collected: 07/24/25 00:00

Chloride

Date Received: 07/25/25 09:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		07/26/25 11:49	07/26/25 16:04	
Toluene	<0.00202	U	0.00202		mg/Kg		07/26/25 11:49	07/26/25 16:04	•
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/26/25 11:49	07/26/25 16:04	,
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/26/25 11:49	07/26/25 16:04	
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/26/25 11:49	07/26/25 16:04	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/26/25 11:49	07/26/25 16:04	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	103		70 - 130				07/26/25 11:49	07/26/25 16:04	
	00		70 100				07/00/05 11 10	07/06/05 46:04	-
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte			70 ₋ 130	MDI	Unit	n	07/26/25 11:49	07/26/25 16:04	
Method: TAL SOP Total BTEX	- Total BTEX Cald								
	- Total BTEX Cald	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/26/25 16:04	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00404	Qualifier U	RL 0.00404	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U	RL 0.00404			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL		mg/Kg		Prepared	Analyzed 07/26/25 16:04	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 49.9		mg/Kg		Prepared	Analyzed 07/26/25 16:04 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 49.9		mg/Kg Unit mg/Kg		Prepared	Analyzed 07/26/25 16:04 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00404 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 07/26/25 16:04 Analyzed 07/25/25 19:28	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.9 diesel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U	RL 0.00404 GC) RL 49.9 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	Analyzed 07/26/25 16:04 Analyzed 07/25/25 19:28 Analyzed	Dil Fa

Client: Carmona Resources Project/Site: Cypher 36 State Com 1

o-Terphenyl (Surr)

Job ID: 880-60774-1

SDG: Eddy Co, NM

Client Sample ID: BH-3 (15')

Lab Sample ID: 880-60774-33

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35 Matrix: Solid

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

81

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/25 10:35	07/25/25 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)			70 - 130				07/25/25 10:35	07/25/25 19:28	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	147	10.1	mg/Kg			07/26/25 04:44	1		

70 - 130

Client Sample ID: BH-3 (20') Lab Sample ID: 880-60774-34

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35 **Matrix: Solid**

07/25/25 10:35 07/25/25 19:28

Method: SW846 8021B - Vo	olatile Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/25 11:49	07/26/25 16:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/25 11:49	07/26/25 16:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/25 11:49	07/26/25 16:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/26/25 11:49	07/26/25 16:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/25 11:49	07/26/25 16:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/26/25 11:49	07/26/25 16:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/26/25 11:49	07/26/25 16:25	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/26/25 11:49	07/26/25 16:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/26/25 16:25	1

Analyte	Result C	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7 L	J	49.7	mg/Kg			07/25/25 19:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		07/25/25 10:35	07/25/25 19:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		07/25/25 10:35	07/25/25 19:44	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/25/25 10:35	07/25/25 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130	07/25/25 10:35	07/25/25 19:44	1
o-Terphenyl (Surr)	71		70 - 130	07/25/25 10:35	07/25/25 19:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.8		9.94		mg/Kg			07/26/25 04:49	1

Client: Carmona Resources Project/Site: Cypher 36 State Com 1

Date Received: 07/25/25 09:35

Surrogate

Analyte

Chloride

1-Chlorooctane (Surr)

o-Terphenyl (Surr)

Job ID: 880-60774-1

Prepared

07/25/25 10:35

07/25/25 10:35

Prepared

D

Analyzed

07/25/25 19:59

07/25/25 19:59

Analyzed

07/26/25 04:55

Dil Fac

Dil Fac

SDG: Eddy Co, NM

Client Sample ID: BH-4 (10.0') Lab Sample ID: 880-60774-44 Date Collected: 07/24/25 00:00

%Recovery

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

84

75

139

Result Qualifier

Qualifier

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/25 11:49	07/26/25 16:45	1
Toluene	< 0.00199	U	0.00199		mg/Kg		07/26/25 11:49	07/26/25 16:45	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		07/26/25 11:49	07/26/25 16:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/26/25 11:49	07/26/25 16:45	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		07/26/25 11:49	07/26/25 16:45	•
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/26/25 11:49	07/26/25 16:45	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/26/25 11:49	07/26/25 16:45	
1,4-Difluorobenzene (Surr)	97		70 - 130				07/26/25 11:49	07/26/25 16:45	
Method: TAL SOP Total BTEX -	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fa
Analyte Total BTEX	Result <0.00398	Qualifier U	0.00398	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/26/25 16:45	Dil Fac
Analyte	Result <0.00398	Qualifier U	0.00398	MDL MDL	mg/Kg	<u>D</u>	Prepared Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00398	Qualifier U ics (DRO) (0.00398 GC)		mg/Kg			07/26/25 16:45	,
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00398 el Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	0.00398 GC) RL 50.0		mg/Kg			07/26/25 16:45 Analyzed	,
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	Result <0.00398 el Range Organ Result <50.0 sel Range Orga	Qualifier U ics (DRO) (Qualifier U	0.00398 GC) RL 50.0		mg/Kg Unit mg/Kg			07/26/25 16:45 Analyzed	,
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <0.00398 el Range Organ Result <50.0 sel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00398 GC) RL 50.0 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	07/26/25 16:45 Analyzed 07/25/25 19:59	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Result <0.00398 el Range Organ Result <50.0 sel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U	0.00398 GC) RL 50.0 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	07/26/25 16:45 Analyzed 07/25/25 19:59 Analyzed	Dil Fa

Limits

70 - 130

70 - 130

RL

9.98

MDL Unit

mg/Kg

Surrogate Summary

Client: Carmona Resources Job ID: 880-60774-1 Project/Site: Cypher 36 State Com 1 SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				P	ercei	ercent Surroga	ercent Surrogate Red	ercent Surrogate Recovery (ercent Surrogate Recovery (Accepta	ercent Surrogate Recovery (Acceptance Lim	ercent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	j							
880-60766-A-1-B MS	Matrix Spike	107	101								
880-60766-A-1-C MSD	Matrix Spike Duplicate	105	97								
880-60774-7	BH-1 (7.0')	100	100								
880-60774-10	BH-1 (10.0')	100	98								
880-60774-20	BH-2 (10.0')	262 S1+	76								
880-60774-21	BH-2 (15')	95	81								
880-60774-22	BH-2 (20')	97	87								
880-60774-32	BH-3 (10.0')	107	77								
880-60774-33	BH-3 (15')	103	90								
880-60774-34	BH-3 (20')	93	100								
880-60774-44	BH-4 (10.0')	96	97								
890-8508-A-1-E MS	Matrix Spike	114	105								
890-8508-A-1-F MSD	Matrix Spike Duplicate	105	99								
LCS 880-115011/1-A	Lab Control Sample	105	105								
LCS 880-115079/1-A	Lab Control Sample	102	102								
LCSD 880-115011/2-A	Lab Control Sample Dup	92	106								
LCSD 880-115079/2-A	Lab Control Sample Dup	114	107								
MB 880-115011/5-A	Method Blank	110	83								
MB 880-115079/5-A	Method Blank	88	97								
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)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-60774-7	BH-1 (7.0')	73	67 S1-	
880-60774-7 MS	BH-1 (7.0')	69 S1-	68 S1-	
880-60774-7 MSD	BH-1 (7.0')	95	76	
880-60774-10	BH-1 (10.0')	82	73	
880-60774-20	BH-2 (10.0')	79	84	
880-60774-21	BH-2 (15')	71	66 S1-	
880-60774-22	BH-2 (20')	82	72	
880-60774-32	BH-3 (10.0')	79	68 S1-	
880-60774-33	BH-3 (15')	87	81	
880-60774-34	BH-3 (20')	81	71	
880-60774-44	BH-4 (10.0')	84	75	
LCS 880-115025/2-A	Lab Control Sample	91	94	
LCSD 880-115025/3-A	Lab Control Sample Dup	109	107	
MB 880-115025/1-A	Method Blank	114	106	

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Project/Site: Cypher 36 State Com 1

Client: Carmona Resources

Job ID: 880-60774-1

SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-115011/5-A

Matrix: Solid

Analysis Batch: 115004

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115011

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:18	07/25/25 11:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:18	07/25/25 11:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:18	07/25/25 11:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/25/25 09:18	07/25/25 11:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:18	07/25/25 11:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/25/25 09:18	07/25/25 11:54	1

MB MB

Surrogate	%Recovery Qu	ualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110	70 - 130	07/25/25 09:18	07/25/25 11:54	1
1,4-Difluorobenzene (Surr)	83	70 - 130	07/25/25 09:18	07/25/25 11:54	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-115011/1-A **Matrix: Solid**

Analysis Batch: 115004

Prep Type: Total/NA **Prep Batch: 115011** LCS LCS Spike %Rec

Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09675 mg/Kg 97 70 - 130 Toluene 0.100 0.08863 mg/Kg 89 70 - 130 Ethylbenzene 0.100 0.1008 mg/Kg 101 70 - 130 70 - 130 0.200 0.2005 100 m-Xylene & p-Xylene mg/Kg 0.100 o-Xylene 0.09921 mg/Kg 99 70 - 130

LCS LCS

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	105	70 - 130
1,4-Difluorobenzene (Surr)	105	70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 115004

Lab Sample ID: LCSD 880-115011/2-A

Prep Type: Total/NA

Prep Batch: 115011

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1048		mg/Kg		105	70 - 130	8	35	
Toluene	0.100	0.09416		mg/Kg		94	70 - 130	6	35	
Ethylbenzene	0.100	0.1061		mg/Kg		106	70 - 130	5	35	
m-Xylene & p-Xylene	0.200	0.2091		mg/Kg		105	70 - 130	4	35	
o-Xylene	0.100	0.1034		mg/Kg		103	70 - 130	4	35	

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	92	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: 880-60766-A-1-B MS

Matrix: Solid

Analysis Batch: 115004

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

Prep Batch: 115011

Sample Sample Spike MS MS %Rec Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits <0.00200 U 0.100 92 70 - 130 Benzene 0.09236 mg/Kg Toluene <0.00200 U 0.100 0.08535 mg/Kg 85 70 - 130

Eurofins Midland

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QC Sample Results

Client: Carmona Resources Job ID: 880-60774-1 SDG: Eddy Co, NM Project/Site: Cypher 36 State Com 1

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

Lab Sample ID: 880-60766-A-1-B MS

Lab Sample ID: 880-60766-A-1-C MSD

Matrix: Solid

Analysis Batch: 115004

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115011

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.100	0.09516		mg/Kg		95	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1895		mg/Kg		95	70 - 130	
o-Xylene	<0.00200	U	0.100	0.09293		mg/Kg		93	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115011

Analysis Batch: 115004

Matrix: Solid

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.07832		mg/Kg		78	70 - 130	16	35
Toluene	<0.00200	U	0.100	0.07222		mg/Kg		72	70 - 130	17	35
Ethylbenzene	<0.00200	U	0.100	0.07827		mg/Kg		78	70 - 130	19	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1538		mg/Kg		77	70 - 130	21	35
o-Xylene	<0.00200	U	0.100	0.07419		mg/Kg		74	70 - 130	22	35

MSD MSD

Surrogate	%Recovery Qu	ıalifier Limits
4-Bromofluorobenzene (Surr)	105	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

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

Matrix: Solid

Analysis Batch: 115078

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115079

	MB	MB
uluto	Pocult	Oua

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

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	07/26/25 11:49	07/26/25 14:20	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/26/25 11:49	07/26/25 14:20	1

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

Matrix: Solid

Analysis Batch: 115078

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115079

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

QC Sample Results

Client: Carmona Resources Job ID: 880-60774-1 SDG: Eddy Co, NM Project/Site: Cypher 36 State Com 1

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

Lab Sample ID: LCS 880-115079/1-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Prep Batch: 115079** Analysis Batch: 115078

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
o-Xylene	 0.100	0.09452		mg/Kg		95	70 - 130	

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

Lab Sample ID: LCSD 880-115079/2-A **Client Sample ID: Lab Control Sample Dup Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 115078

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 890-8508-A-1-E MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 115078

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

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

Client Sample ID: Matrix Spike Duplicate Lab Sample ID: 890-8508-A-1-F MSD **Matrix: Solid**

Analysis Ratch: 115078

Alialysis balcii. 115076									Prepi	Balcii. I	150/9
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.09758		mg/Kg		97	70 - 130	1	35
Toluene	< 0.00199	U	0.100	0.09663		mg/Kg		96	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.100	0.1084		mg/Kg		108	70 - 130	29	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2349		mg/Kg		117	70 - 130	23	35
o-Xylene	< 0.00199	U	0.100	0.1088		mg/Kg		109	70 - 130	2	35

Eurofins Midland

Prep Batch: 115079

Prep Batch: 115079

Prep Type: Total/NA

Prop Ratch: 115079

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

QC Sample Results

Client: Carmona Resources Project/Site: Cypher 36 State Com 1 Job ID: 880-60774-1 SDG: Eddy Co, NM

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

Matrix: Solid

Analysis Batch: 115078

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115079

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

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

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

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115025

мв мв

MSD MSD

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/25/25 10:35	07/25/25 16:29	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/25/25 10:35	07/25/25 16:29	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/25 10:35	07/25/25 16:29	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130	07/25/25 10:35	07/25/25 16:29	1
o-Terphenyl (Surr)	106		70 - 130	07/25/25 10:35	07/25/25 16:29	1

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

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: Lab Control Sample

Prep Type: Total/NA **Prep Batch: 115025**

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	851.4		mg/Kg		85	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	960.2		mg/Kg		96	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane (Surr)	91	70 - 130
o-Terphenyl (Surr)	94	70 - 130

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

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115025

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

LCSD LCSD

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

Prep Batch: 115025

QC Sample Results

Client: Carmona Resources

Job ID: 880-60774-1

Project/Site: Cypher 36 State Com 1

SDG: Eddy Co, NM

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

Lab Sample ID: 880-60774-7 MS

Client Sample ID: BH-1 (7.0')

Matrix: Solid

Analysis Batch: 115009

Client Sample ID: BH-1 (7.0')

Prep Type: Total/NA

Prep Batch: 115025

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U	998	723.3		mg/Kg		72	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U	998	752.8		mg/Kg		75	70 - 130	
C10-C28)										

 MS
 MS

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane (Surr)
 69
 S1 70 - 130

 o-Terphenyl (Surr)
 68
 S1 70 - 130

Lab Sample ID: 880-60774-7 MSD

Client Sample ID: BH-1 (7.0')

Matrix: Solid

Prep Type: Total/NA

Matrix: Solid
Analysis Batch: 115009

Spike MSD MSD %Rec RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit 998 840.9 Gasoline Range Organics <50.0 U mg/Kg 84 70 - 130 15 20 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 998 823.8 mg/Kg 83 70 - 130 9 20 C10-C28)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane (Surr)
 95
 70 - 130

 o-Terphenyl (Surr)
 76
 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115058/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 115061

MB MB

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac

Chloride <10.0 U 10.0 mg/Kg 07/26/25 03:25 1

Lab Sample ID: LCS 880-115058/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 115061

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 252.8 101 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-115058/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 115061

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier %Rec Limits RPD Limit Unit D Chloride 250 101 253.4 mg/Kg 90 _ 110 20

Client: Carmona Resources Job ID: 880-60774-1 Project/Site: Cypher 36 State Com 1 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 820-20064-A-1-C MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 115061

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	46.8		252	311.9		mg/Kg		105	90 - 110	0	20	

Lab Sample ID: 820-20064-A-1-E MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 115061

	Sample Sample	Spike	MS MS				%Rec
Analyte	Result Qualifier	Added	Result Qualifie	r Unit	D	%Rec	Limits
Chloride	46.8	252	310.8	ma/Ka		105	90 - 110

Lab Sample ID: 880-60804-A-1-B MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Soluble

Analysis Batch: 115061

MS MS %Rec Spike Sample Sample Analyte Result Qualifier Added Result Qualifier Unit Limits Chloride 1220 F1 1250 2685 F1 117 90 - 110 mg/Kg

Lab Sample ID: 880-60804-A-1-C MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 115061

		Sample	Sample	Spike	MSD	MSD				%Rec		RPD
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
l	Chloride	1220	F1	1250	2679	F1	mg/Kg		117	90 - 110	0	20

Client: Carmona Resources

Job ID: 880-60774-1

Project/Site: Cypher 36 State Com 1

SDG: Eddy Co, NM

GC VOA

Analysis Batch: 115004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60774-7	BH-1 (7.0')	Total/NA	Solid	8021B	115011
880-60774-10	BH-1 (10.0')	Total/NA	Solid	8021B	115011
880-60774-20	BH-2 (10.0')	Total/NA	Solid	8021B	115011
MB 880-115011/5-A	Method Blank	Total/NA	Solid	8021B	115011
LCS 880-115011/1-A	Lab Control Sample	Total/NA	Solid	8021B	115011
LCSD 880-115011/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115011
880-60766-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	115011
880-60766-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	115011

Prep Batch: 115011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60774-7	BH-1 (7.0')	Total/NA	Solid	5035	
880-60774-10	BH-1 (10.0')	Total/NA	Solid	5035	
880-60774-20	BH-2 (10.0')	Total/NA	Solid	5035	
MB 880-115011/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115011/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115011/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-60766-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-60766-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 115078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60774-21	BH-2 (15')	Total/NA	Solid	8021B	115079
880-60774-22	BH-2 (20')	Total/NA	Solid	8021B	115079
880-60774-32	BH-3 (10.0')	Total/NA	Solid	8021B	115079
880-60774-33	BH-3 (15')	Total/NA	Solid	8021B	115079
880-60774-34	BH-3 (20')	Total/NA	Solid	8021B	115079
880-60774-44	BH-4 (10.0')	Total/NA	Solid	8021B	115079
MB 880-115079/5-A	Method Blank	Total/NA	Solid	8021B	115079
LCS 880-115079/1-A	Lab Control Sample	Total/NA	Solid	8021B	115079
LCSD 880-115079/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115079
890-8508-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	115079
890-8508-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	115079

Prep Batch: 115079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60774-21	BH-2 (15')	Total/NA	Solid	5035	
880-60774-22	BH-2 (20')	Total/NA	Solid	5035	
880-60774-32	BH-3 (10.0')	Total/NA	Solid	5035	
880-60774-33	BH-3 (15')	Total/NA	Solid	5035	
880-60774-34	BH-3 (20')	Total/NA	Solid	5035	
880-60774-44	BH-4 (10.0')	Total/NA	Solid	5035	
MB 880-115079/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115079/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115079/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8508-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-8508-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 115174

_					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60774-7	BH-1 (7.0')	Total/NA	Solid	Total BTEX	

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Client: Carmona Resources Project/Site: Cypher 36 State Com 1 Job ID: 880-60774-1

SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 115174 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60774-10	BH-1 (10.0')	Total/NA	Solid	Total BTEX	
880-60774-20	BH-2 (10.0')	Total/NA	Solid	Total BTEX	
880-60774-21	BH-2 (15')	Total/NA	Solid	Total BTEX	
880-60774-22	BH-2 (20')	Total/NA	Solid	Total BTEX	
880-60774-32	BH-3 (10.0')	Total/NA	Solid	Total BTEX	
880-60774-33	BH-3 (15')	Total/NA	Solid	Total BTEX	
880-60774-34	BH-3 (20')	Total/NA	Solid	Total BTEX	
880-60774-44	BH-4 (10.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 115009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60774-7	BH-1 (7.0')	Total/NA	Solid	8015B NM	115025
880-60774-10	BH-1 (10.0')	Total/NA	Solid	8015B NM	115025
880-60774-20	BH-2 (10.0')	Total/NA	Solid	8015B NM	115025
880-60774-21	BH-2 (15')	Total/NA	Solid	8015B NM	115025
880-60774-22	BH-2 (20')	Total/NA	Solid	8015B NM	115025
880-60774-32	BH-3 (10.0')	Total/NA	Solid	8015B NM	115025
880-60774-33	BH-3 (15')	Total/NA	Solid	8015B NM	115025
880-60774-34	BH-3 (20')	Total/NA	Solid	8015B NM	115025
880-60774-44	BH-4 (10.0')	Total/NA	Solid	8015B NM	115025
MB 880-115025/1-A	Method Blank	Total/NA	Solid	8015B NM	115025
LCS 880-115025/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115025
LCSD 880-115025/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115025
880-60774-7 MS	BH-1 (7.0')	Total/NA	Solid	8015B NM	115025
880-60774-7 MSD	BH-1 (7.0')	Total/NA	Solid	8015B NM	115025

Prep Batch: 115025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60774-7	BH-1 (7.0')	Total/NA	Solid	8015NM Prep	
880-60774-10	BH-1 (10.0')	Total/NA	Solid	8015NM Prep	
880-60774-20	BH-2 (10.0')	Total/NA	Solid	8015NM Prep	
880-60774-21	BH-2 (15')	Total/NA	Solid	8015NM Prep	
880-60774-22	BH-2 (20')	Total/NA	Solid	8015NM Prep	
880-60774-32	BH-3 (10.0')	Total/NA	Solid	8015NM Prep	
880-60774-33	BH-3 (15')	Total/NA	Solid	8015NM Prep	
880-60774-34	BH-3 (20')	Total/NA	Solid	8015NM Prep	
880-60774-44	BH-4 (10.0')	Total/NA	Solid	8015NM Prep	
MB 880-115025/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115025/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115025/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-60774-7 MS	BH-1 (7.0')	Total/NA	Solid	8015NM Prep	
880-60774-7 MSD	BH-1 (7.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Bato	h
880-60774-7	BH-1 (7.0')	Total/NA	Solid	8015 NM	_
880-60774-10	BH-1 (10.0')	Total/NA	Solid	8015 NM	
880-60774-20	BH-2 (10.0')	Total/NA	Solid	8015 NM	
880-60774-21	BH-2 (15')	Total/NA	Solid	8015 NM	

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-60774-1 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 115120 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60774-22	BH-2 (20')	Total/NA	Solid	8015 NM	
880-60774-32	BH-3 (10.0')	Total/NA	Solid	8015 NM	
880-60774-33	BH-3 (15')	Total/NA	Solid	8015 NM	
880-60774-34	BH-3 (20')	Total/NA	Solid	8015 NM	
880-60774-44	BH-4 (10.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 115058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-60774-7	BH-1 (7.0')	Soluble	Solid	DI Leach	
880-60774-10	BH-1 (10.0')	Soluble	Solid	DI Leach	
880-60774-20	BH-2 (10.0')	Soluble	Solid	DI Leach	
880-60774-21	BH-2 (15')	Soluble	Solid	DI Leach	
880-60774-22	BH-2 (20')	Soluble	Solid	DI Leach	
880-60774-32	BH-3 (10.0')	Soluble	Solid	DI Leach	
880-60774-33	BH-3 (15')	Soluble	Solid	DI Leach	
880-60774-34	BH-3 (20')	Soluble	Solid	DI Leach	
880-60774-44	BH-4 (10.0')	Soluble	Solid	DI Leach	
MB 880-115058/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115058/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115058/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
820-20064-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
820-20064-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-60804-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-60804-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 115061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60774-7	BH-1 (7.0')	Soluble	Solid	300.0	115058
880-60774-10	BH-1 (10.0')	Soluble	Solid	300.0	115058
880-60774-20	BH-2 (10.0')	Soluble	Solid	300.0	115058
880-60774-21	BH-2 (15')	Soluble	Solid	300.0	115058
880-60774-22	BH-2 (20')	Soluble	Solid	300.0	115058
880-60774-32	BH-3 (10.0')	Soluble	Solid	300.0	115058
880-60774-33	BH-3 (15')	Soluble	Solid	300.0	115058
880-60774-34	BH-3 (20')	Soluble	Solid	300.0	115058
880-60774-44	BH-4 (10.0')	Soluble	Solid	300.0	115058
MB 880-115058/1-A	Method Blank	Soluble	Solid	300.0	115058
LCS 880-115058/2-A	Lab Control Sample	Soluble	Solid	300.0	115058
LCSD 880-115058/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115058
820-20064-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	115058
820-20064-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	115058
880-60804-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	115058
880-60804-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	115058

Job ID: 880-60774-1 SDG: Eddy Co, NM

Project/Site: Cypher 36 State Com 1

Client: Carmona Resources

Lab Sample ID: 880-60774-7

Matrix: Solid

Client Sample ID: BH-1 (7.0') Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115011	07/25/25 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115004	07/25/25 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115174	07/25/25 13:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			115120	07/25/25 17:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115025	07/25/25 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115009	07/25/25 17:20	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115058	07/25/25 15:47	SMC	EET MID
Soluble	Analysis	300.0		1			115061	07/26/25 03:59	CS	EET MID

Client Sample ID: BH-1 (10.0') Lab Sample ID: 880-60774-10

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115011	07/25/25 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115004	07/25/25 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115174	07/25/25 14:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			115120	07/25/25 18:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115025	07/25/25 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115009	07/25/25 18:08	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115058	07/25/25 15:47	SMC	EET MID
Soluble	Analysis	300.0		1			115061	07/26/25 04:04	CS	EET MID

Client Sample ID: BH-2 (10.0') Lab Sample ID: 880-60774-20 **Matrix: Solid**

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	115011	07/25/25 10:30	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	115004	07/25/25 14:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115174	07/25/25 14:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			115120	07/25/25 18:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115025	07/25/25 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115009	07/25/25 18:24	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115058	07/25/25 15:47	SMC	EET MID
Soluble	Analysis	300.0		1			115061	07/26/25 04:10	CS	EET MID

Client Sample ID: BH-2 (15') Lab Sample ID: 880-60774-21

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	115079	07/26/25 11:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115078	07/26/25 15:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115174	07/26/25 15:03	SA	EET MID

Eurofins Midland

Matrix: Solid

Matrix: Solid

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Lab Chronicle

Client: Carmona Resources Project/Site: Cypher 36 State Com 1 Job ID: 880-60774-1

SDG: Eddy Co, NM

Client Sample ID: BH-2 (15')

Lab Sample ID: 880-60774-21

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115120	07/25/25 18:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115025	07/25/25 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115009	07/25/25 18:40	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115058	07/25/25 15:47	SMC	EET MID
Soluble	Analysis	300.0		5			115061	07/26/25 04:15	CS	EET MID

Lab Sample ID: 880-60774-22

Client Sample ID: BH-2 (20') Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115079	07/26/25 11:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115078	07/26/25 15:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115174	07/26/25 15:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			115120	07/25/25 18:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	115025	07/25/25 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115009	07/25/25 18:56	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	115058	07/25/25 15:47	SMC	EET MID
Soluble	Analysis	300.0		1			115061	07/26/25 04:33	CS	EET MID

Client Sample ID: BH-3 (10.0') Lab Sample ID: 880-60774-32

Date Collected: 07/24/25 00:00

Matrix: Solid

Date Received: 07/25/25 09:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	115079	07/26/25 11:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115078	07/26/25 15:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115174	07/26/25 15:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			115120	07/25/25 19:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115025	07/25/25 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115009	07/25/25 19:12	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	115058	07/25/25 15:47	SMC	EET MID
Soluble	Analysis	300.0		1			115061	07/26/25 04:38	CS	EET MID

Client Sample ID: BH-3 (15') Lab Sample ID: 880-60774-33

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	115079	07/26/25 11:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115078	07/26/25 16:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115174	07/26/25 16:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			115120	07/25/25 19:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115025	07/25/25 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115009	07/25/25 19:28	TKC	EET MID

Eurofins Midland

Matrix: Solid

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Date Received: 07/25/25 09:35

Job ID: 880-60774-1

SDG: Eddy Co, NM

Client Sample ID: BH-3 (15') Lab Sample ID: 880-60774-33 Date Collected: 07/24/25 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	115058	07/25/25 15:47	SMC	EET MID
Soluble	Analysis	300.0		1			115061	07/26/25 04:44	CS	EET MID

Client Sample ID: BH-3 (20') Lab Sample ID: 880-60774-34

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	115079	07/26/25 11:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115078	07/26/25 16:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115174	07/26/25 16:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			115120	07/25/25 19:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	115025	07/25/25 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115009	07/25/25 19:44	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	115058	07/25/25 15:47	SMC	EET MID
Soluble	Analysis	300.0		1			115061	07/26/25 04:49	CS	EET MID

Client Sample ID: BH-4 (10.0') Lab Sample ID: 880-60774-44

Date Collected: 07/24/25 00:00 **Matrix: Solid**

Date Received: 07/25/25 09:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	115079	07/26/25 11:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115078	07/26/25 16:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115174	07/26/25 16:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			115120	07/25/25 19:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115025	07/25/25 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115009	07/25/25 19:59	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115058	07/25/25 15:47	SMC	EET MID
Soluble	Analysis	300.0		1			115061	07/26/25 04:55	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

Job ID: 880-60774-1

Project/Site: Cypher 36 State Com 1

SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Progra	ım	Identification Number	Expiration Date
Texas	NELAI)	T104704400	06-30-26
The following analytes	are included in this report bu	t the laboratory is not certif	ried by the governing authority. This lis	t may include analyte
,	oes not offer certification.	,	, , ,	,
,		Matrix	Analyte	, ,
for which the agency d	oes not offer certification.	•	, , ,	

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Method Summary

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-60774-1 SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-60774-1

SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-60774-7	BH-1 (7.0')	Solid	07/24/25 00:00	07/25/25 09:35
880-60774-10	BH-1 (10.0')	Solid	07/24/25 00:00	07/25/25 09:35
880-60774-20	BH-2 (10.0')	Solid	07/24/25 00:00	07/25/25 09:35
880-60774-21	BH-2 (15')	Solid	07/24/25 00:00	07/25/25 09:35
880-60774-22	BH-2 (20')	Solid	07/24/25 00:00	07/25/25 09:35
880-60774-32	BH-3 (10.0')	Solid	07/24/25 00:00	07/25/25 09:35
880-60774-33	BH-3 (15')	Solid	07/24/25 00:00	07/25/25 09:35
880-60774-34	BH-3 (20')	Solid	07/24/25 00:00	07/25/25 09:35
880-60774-44	BH-4 (10.0')	Solid	07/24/25 00:00	07/25/25 09:35

880-60774 Chain of Custody

Chain of Custody

13

DI Water: H₂O 93 Diperfund HNO₃: HN NaOH: Na ORRP OLEVELIV Preservative Codes MeOH: Me NaOH+Ascorbic Acid: SAPC Sample Comments Date/Time ŏ Zn Acetate+NaOH: Zn Na₂S₂O₃: NaSO₃ NaHSO₄: NABIS Other: Program: UST/PST PRP Prownfields RC H₃PO₄: HP HCL: HC H₂S0₄: H₂ Page Cool: Cool None: NO ADaPT × × × × × × × PIOH Deliverables: EDD Received by: (Signature) State of Project: ANALYSIS REQUEST Email: nathaniel.rose@coterra.com & ashton.thielke@coterra.com 600 N Marienfield St, Suite 600 Midland, TX 79701 Chloride 300.0 × Cimarex Energy Nathaniel Rose Date/Time × TPH 8015M (GRO + DRO + MRO) × BTEX 8021B # of Cont Pres. Parameters Comp Grab/ Company Name ග O 0 G O O O O O G Bill to: (if different) City, State ZIP: 24 Hours ✓ Rush (3) Water Address **Turn Around** Wet Ice: ☐ Routine Due Date Soil × × × × × × × × × Corrected Temperature: Temperature Reading Correction Factor: Thermometer ID: Relinquished by: (Signature) Yes (No. Time Cypher 36 State Com ' Eddy Co, NM GPJ 7/24/2025 7/24/2025 7/24/2025 7/24/2025 7/24/2025 7/24/2025 7/24/2025 7/24/2025 7/24/2025 7/24/2025 Date No NA Temp Blank: 310 W Wall St Ste 500 S Carmona Resources 8 Midland, TX 79701 Ashton Thielke Yes Yes 432-813-8988 Sample Identification BH-1 (0-1.0') BH-1 (3.0°) BH-1 (10.0") BH-1 (2.0') BH-1 (4.0') BH-1 (5.0') BH-1 (8.0') BH-1 (9.0') BH-1 (6.0°) BH-1 (7.0') SAMPLE RECEIPT Sample Custody Seals: Cooler Custody Seals: Fotal Containers: Sampler's Name: Project Location Project Manager Company Name Received Intact: Project Number City, State ZIP. Project Name: omments: Address: PO#:

Page 29 of 34

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Work Order No:

Work Order Comments	fields RC perfund		UST RRP Level IV	1	Uther:	Preservative Codes	None: NO DI Water: H ₂ O	Cool: Cool MeOH: Me	HCL: HC HNO3: HN	H ₂ SO ₄ : H ₂ NaOH: Na	H₃PO₄: HP	NaHSO ₄ : NABIS	Na ₂ S ₂ O ₃ : NaSO ₃	Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments												Date/Time	Jack. 1036
k Order C	P rownfields		III DSTA	70.04	ADaPI		_					plo			_		×	×	×	×	×	×	×	×	×				
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		900			oterra.com	ANALYSIS REQUEST																						Rec	
ose	ergy	enfield St, Suite 600	1		on.thielke@cc						0.00)6 3(lorid	чэ												×			
Nathaniel Rose	Cimarex Energy	600 N Marienfield St,	Midland, TX 79701		m & asht				оы	N + 6	IB DRO		ек		108	HqT										×		Date/Time	
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to: (if different)	Company Name:	Address:	City, State ZIP:		Email: nathaniel.rose@coterra.com & ashton.thielke@coterra.com	pun	✓ Rush	24 Hours			Yes No					Water Comp	O	တ	O	5	တ	ტ	ŋ	ပ	9	ŋ			
Bill to:	Cor	Ado	Cip		Email: nat	Turn Around	☐ Routine	Due Date:			Wet Ice:			Jing:	ature:	Soil	×	×	×	×	×	×	×	×	×	×			
						om 1					Yes No	Thermometer ID:	Correction Factor:	Temperature Reading:	Corrected Temperature:	Time												y: (Signature)	1
	urces	Ste 500	701			Cypher 36 State Com 1	2800	Eddy Co, NM	GPJ		Temp Blank:	S No	Yes No N/A	No N/A		Date	7/24/2025	7/24/2025	7/24/2025	7/24/2025	7/24/2025	7/24/2025	7/24/2025	7/24/2025	7/24/2025	7/24/2025		Relinquished by: (Signature)	1
Ashton Thielke	Carmona Resources	310 W Wall St Ste 500	Midland, TX 79701	00000000	432-813-8988	Cypl						Yes		Yes		fication	(.0.)	0,)	0,)	0.)	0,)	0.)	0,)	0,)	0,)	(.0.)			,
Project Manager:	Company Name:		e ZIP:		Phone: 4	Project Name:	Project Number:	Project Location	Sampler's Name:	PO #:	SAMPLE RECEIPT	Received Intact:	Cooler Custody Seals:	Sample Custody Seals:	Total Containers:	Sample Identification	BH-2 (0-1.0")	BH-2 (2.0')	BH-2 (3.0')	BH-2 (4.0')	BH-2 (5.0')	BH-2 (6.0°)	BH-2 (7.0')	BH-2 (8.0°)	BH-2 (9.0')	BH-2 (10.0')	Comments:		1

Work Order No:

Chain of Custody

Company Name: Carmona Resources Address: Company Name: Ciny, State ZIP: Ciny State ZIP: Ciny State ZIP: Address: Address: Company Name: Ciny, State ZIP: Midland, TX 79701 Property State ZIP: Analysis Repopulation of the property State ZIP: Analysis Analysis Property State ZIP: Analysis A	Program: UST/PST PRP Frown State of Project: Reporting:Level III ST/I Deliverables: EDD ADAPT LYSIS REQUEST
Sin Wildiand TX 79701 State 210- Midland TX 79701 State 210- Midland TX 79701 State 210- Midland TX 79701 State 213-8988 Email: Inathaniel.rose@colerra com & ashton.thielke@coterra.com	State of Project: Reporting: Level III
Midland, TX 79701	Reporting:Level III □ST/UST Deliverables: EDD □ ADaPT □ LYSIS REQUEST None
Number: Cypher 36 State Com 1 Tum Around Femal: nathaniel.rose@coterra.com & ashton.thielke@coterra.com Number: Cypher 36 State Com 1 Tum Around Tum Around Pres. Anal.YSIS REQuestra.com Location Eddy Co, NM Due Date: 24 Hours Pres. Pres. Anal.YSIS REQuestra.com r's Name: GPJ Met loc: Yes No Wet loc: Yes No Wet loc: Yes No No Met loc: Yes No Per location Factor: Per lo	LYSIS REQUEST LYSIS REQUEST Cool: HCL:
Cypher 36 State Com 1	None Cooi:
Feeth Co, NM	None: NO Cool: Cool: Cool
Feddy Co, NM Due Date: 24 Hours Capy Co, NM Cap Cap	Cool: Cool
T Temp Blank: Yes No Wet Ice: Yes No Yes No Thermometer ID: Tes No N/A Correction Factor: Yes No N/A Temperature Reading: Time Soil Water Comp Cont Corrected Temperature: Soil Water Comp Cont Cont	HCL: HC
T Temp Blank: Yes No Wet Ice: Yes No Whater Corrected Temperature: Soil Water Comp Com	
Temp Blank: Yes No Wet Ice: Yes No Thermometer ID: Ask No Thermometer ID: Ask No N/A Temperature Reading: Time Soil Water Gomp Gont Ask No No Time Soil Water Gomp Gont Ask No No Time Soil Xoil	H ₂ SO ₄ : H ₂
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Yes No N/A Correction Factor. As No N/A Temperature Reading: As No N/A Temperature Reading: As No N/A Temperature: As No N/A Temperature: As No N/A Time Soil Water Grab/ # of As No N/A Time Soil Water Grap/ Cont Comp Cont As No N/A Time Cont As No N/	D NaHSO4: NABIS
Yes No N/A Temperature Reading: In the corrected Temperature: In the corrected Temperatu	T Na ₂ S ₂ O ₃ : NaSO ₃
Corrected Temperature: Corrected Temperature: Soil Water Grab/ # of Expression Soil Water Grab/ Gont Expression Comp Expression Comp Cont Expression Comp Cont Expression Comp Cont Expression Comp Cont Expression Cont	Zn Acetate+NaOH: Zn
Identification Date Time Soil Water Comp Grab/ Cont # of Cont E or Comp F or C	NaOH+Ascorbic Acid: SAPC
7/24/2025 X G 1 X X X X X X X X X X X X X X X X X	Sample Comments
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7/24/2025 X G 1 X X T/24/2025 X G 1	
7/24/2025 X G	
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BH-3 (2.0') 7/24/2025 X G 1	×
BH-3 (3.0') 7/24/2025 X G 1	×
BH-3 (4.0') 7/24/2025 X G 1	×
BH-3 (5.0) 7/24/2025 X G 1	×
BH-3 (6.0') 7/24/2025 X G 1	×
BH-3 (7.0') 7/24/2025 X G 1	×
BH-3 (8.0') 7/24/2025 X G 1	×

Chain of Custody

Work Order No:

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Project Manager:	Ashton Thielke				Bill to: (if different)		Nathaniel Rose	Sose					Work Or	Work Order Comments	ments	
Company Name:	Carmona Resources	irces			Company Name:		Cimarex Energy	ergy			Progr	Program: UST/PST PRP		☐ rownfields	s DRC	perfund
	310 W Wall St Ste 500	te 500			Address:		600 N Mari	600 N Marienfield St, Suite 600	uite 600		State	State of Project:				
City, State ZIP:	Midland, TX 79701	0.1			City, State ZIP:		Midland, TX 79701	(79701			Repor	Reporting:Level II	☐Level III [□ST/UST	DRRP	☐Level IV ☐
	432-813-8988			Email:	Email: nathaniel.rose@coterra.com & ashton.thielke@coterra.com	Acoterra.c	om & ash	on.thielke	Acoterra.co	E	Delive	Deliverables: EDD		ADaPT	Other:	
Project Name:	Cyphe	Cypher 36 State Com 1	Som 1	Turn	Turn Around				AN	ALYSIS	ANALYSIS REQUEST				Preservat	Preservative Codes
Project Number:		2800		☐ Routine	✓ Rush	Pres. Code								None	None: NO	DI Water: H ₂ O
Project Location	E	Eddy Co, NM	V	Due Date:	24 Hours		(Cool	Cool: Cool	MeOH: Me
Sampler's Name:		GPJ					NEO)							HCL	HCL: HC	HNO ₃ : HN
PO#:						s.i	N + (H ₂ S(H ₂ S0 ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No	ətər		0.00						H ₃ P(H₃PO₄: HP	
Received Intact:	Yes	No S	Thermometer ID.);	*	ran)£ e						NaH	NaHSO4: NABIS	
Cooler Custody Seals:	Yes	No N/A	Correction Factor:	or.		Pa	rex Re	lorid							Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes	No N/A	Temperature Reading:	eading:				чэ						Zn A	Zn Acetate+NaOH: Zn	H: Zn
Total Containers:			Corrected Temperature:	perature:			108							NaO	NaOH+Ascorbic Acid: SAPC	Acid: SAPC
Sample Identification	tification	Date	Time	Soil	Water Comp	# of Cont	НЧТ								Sample C	Sample Comments
(J.6) BH-3	3.0')	7/24/2025		×	ပ	-								×		
BH-3 (10.0')	0.0')	7/24/2025		×	O	-	×	×								
BH-3 (15')	15')	7/24/2025		×	ပ	-	×	×								
BH-3 (20')	20')	7/24/2025		×		-	×	×								
BH-4 (0-1.0')	1.0')	7/24/2025		×	O	-								×		
BH-4 (2.0')	2.0")	7/24/2025		×	တ	-								×		
BH-4 (3.0')	3.0')	7/24/2025		×	O	-								×		
BH-4 (4.0')	1.0")	7/24/2025		×	ŋ	-								×		
BH-4 (5.0')	5.0")	7/24/2025		×	ŋ	-								×		
BH-4 (6.0°)	3.0')	7/24/2025		×	ပ	1								×		
Comments:																
	X	elinquished	Relinquished by: (Signature)				Date/Time				Received by	Received by: (Signature)	(i)			Date/Time
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Page

Work Order No:

DI Water: H₂O Diperfund HNO₃: HN NaOH: Na DRRP DLevel IV MeOH: Me Preservative Codes NaOH+Ascorbic Acid: SAPC Sample Comments Date/Time Zn Acetate+NaOH: Zn Na₂S₂O₃: NaSO₃ NaHSO4: NABIS Other. Program: UST/PST PRP Prownfields RC H₃PO₄; HP HCL: HC H₂SO₄: H₂ None: NO Cool: Cool Reporting: Level II Level III ST/UST ADaPT × × × PIOH Deliverables: EDD Received by: (Signature) State of Project: ANALYSIS REQUEST Email: nathaniel.rose@coterra.com & ashton.thielke@coterra.com 600 N Marienfield St, Suite 600 Midland, TX 79701 Chloride 300.0 Cimarex Energy Nathaniel Rose Date/Time TPH 8015M (GRO + DRO + MRO) × 81508 X3T8 # of Cont Pres. Parameters Comp Grab/ Bill to: (if different) Company Name ပ G G G City, State ZIP: 24 Hours Š ✓ Rush Address: Yes Water **Turn Around** Wet Ice: ☐ Routine Due Date: Soil × × \times Corrected Temperature: Temperature Reading: Correction Factor: Thermometer ID: Relinquished by: (Signature) Yes No Time Cypher 36 State Com 1 Eddy Co, NM 7/24/2025 7/24/2025 7/24/2025 7/24/2025 GPJ Date No N/A N/A Temp Blank: 8 310 W Wall St Ste 500 Carmona Resources N_o Midland, TX 79701 Yes Yes Ashton Thielke Yes 432-813-8988 Sample Identification BH-4 (8.0°) BH-4 (9.0°) BH-4 (10.0") BH-4 (7.0') SAMPLE RECEIPT Sample Custody Seals: Cooler Custody Seals: Fotal Containers: Sampler's Name: Project Manager Company Name Project Number: Project Location Received Intact: City, State ZIP: Project Name: comments Address: # Od

Chain of Custody

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-60774-1

SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Number: 60774 List Number: 1

Creator: Vasquez, Julisa

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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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/30/2025 10:00:37 AM

JOB DESCRIPTION

Cypher 36 State Com 1 Eddy Co, NM

JOB NUMBER

880-60773-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 7/30/2025 10:00:37 AM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 8

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Client: Carmona Resources Project/Site: Cypher 36 State Com 1 Laboratory Job ID: 880-60773-1 SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-60773-1

Project/Site: Cypher 36 State Com 1

SDG: Eddy Co, NM

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Qualifiers

GC VOA

 Qualifier
 Qualifier Description

 S1+
 Surrogate recovery exceeds control limits, high biased.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
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

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Case Narrative

Client: Carmona Resources
Project: Cypher 36 State Com 1

Job ID: 880-60773-1

Job ID: 880-60773-1 Eurofins Midland

Job Narrative 880-60773-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/25/2025 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -3.6°C.

GC VOA

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

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

Diesel Range Organics

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-60773-1 SDG: Eddy Co, NM

Lab Sample ID: 880-60773-1

Matrix: Solid

Client Sample ID: H-1 (0-1')	Lab S
Date Collected: 07/24/25 00:00	
D (D)	

Date Received: 07/25/25 09:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/25/25 10:33	07/26/25 13:03	1
Toluene	< 0.00199	U	0.00199		mg/Kg		07/25/25 10:33	07/26/25 13:03	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		07/25/25 10:33	07/26/25 13:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/25/25 10:33	07/26/25 13:03	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		07/25/25 10:33	07/26/25 13:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/25/25 10:33	07/26/25 13:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130				07/25/25 10:33	07/26/25 13:03	
1,4-Difluorobenzene (Surr)	109		70 - 130				07/25/25 10:33	07/26/25 13:03	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/26/25 13:03	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/29/25 14:36	Dil Fac
Analyte Total TPH	Result <50.0	Qualifier U	RL 50.0	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH . Method: SW846 8015B NM - Die	Result <50.0	Qualifier U	RL 50.0			<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Die Analyte	Result <50.0	Qualifier U unics (DRO) Qualifier	RL 50.0		mg/Kg		<u> </u>	07/29/25 14:36	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 Sel Range Orga Result <50.0	Qualifier U unics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0		mg/Kg Unit mg/Kg		Prepared 07/24/25 14:29	07/29/25 14:36 Analyzed 07/29/25 14:36	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga Result	Qualifier U unics (DRO) Qualifier U	RL 50.0		mg/Kg		Prepared	07/29/25 14:36 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U unics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/25 14:29 07/24/25 14:29	07/29/25 14:36 Analyzed 07/29/25 14:36 07/29/25 14:36	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 Sel Range Orga Result <50.0	Qualifier U unics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0		mg/Kg Unit mg/Kg		Prepared 07/24/25 14:29	07/29/25 14:36 Analyzed 07/29/25 14:36	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U unics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/25 14:29 07/24/25 14:29	07/29/25 14:36 Analyzed 07/29/25 14:36 07/29/25 14:36	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U unics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/25 14:29 07/24/25 14:29 07/24/25 14:29	07/29/25 14:36 Analyzed 07/29/25 14:36 07/29/25 14:36 07/29/25 14:36	Dil Face
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U unics (DRO) Qualifier U U	RL 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/25 14:29 07/24/25 14:29 07/24/25 14:29 Prepared	07/29/25 14:36 Analyzed 07/29/25 14:36 07/29/25 14:36 07/29/25 14:36 Analyzed	Dil Face 1 1 1 Dil Face
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	Result	Qualifier U Inics (DRO) Qualifier U U Qualifier	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/25 14:29 07/24/25 14:29 07/24/25 14:29 Prepared 07/24/25 14:29	07/29/25 14:36 Analyzed 07/29/25 14:36 07/29/25 14:36 Analyzed 07/29/25 14:36	1 1 Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Result	Qualifier U Inics (DRO) Qualifier U U Qualifier	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/25 14:29 07/24/25 14:29 07/24/25 14:29 Prepared 07/24/25 14:29	07/29/25 14:36 Analyzed 07/29/25 14:36 07/29/25 14:36 Analyzed 07/29/25 14:36	Dil Fac

Client Sample ID: H-2 (0-1') Lab Sample ID: 880-60773-2 Date Collected: 07/24/25 00:00 **Matrix: Solid**

Date Received: 07/25/25 09:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/25 10:33	07/26/25 13:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/25 10:33	07/26/25 13:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/25 10:33	07/26/25 13:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/25/25 10:33	07/26/25 13:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/25 10:33	07/26/25 13:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/25/25 10:33	07/26/25 13:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				07/25/25 10:33	07/26/25 13:23	1
1,4-Difluorobenzene (Surr)	115		70 - 130				07/25/25 10:33	07/26/25 13:23	1

Client Sample Results

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-60773-1

SDG: Eddy Co, NM

Client Sample ID: H-2 (0-1') Date Collected: 07/24/25 00:00

Lab Sample ID: 880-60773-2 Matrix: Solid

07/24/25 14:29 07/29/25 14:53

Date Received: 07/25/25 09:35

Method: TAL SOP Total BTEX - Tot	al BTEX Calc	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/26/25 13:23	1
_									

Method: SW846 8015 NM - Diesel F	Range Organics	(DRO) (GC)					
Analyte	Result Qu	ualifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	241	49.9	mg/Kg			07/29/25 14:53	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		07/24/25 14:29	07/29/25 14:53	1
(GRO)-C6-C10									
Diesel Range Organics (Over	241		49.9		mg/Kg		07/24/25 14:29	07/29/25 14:53	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/24/25 14:29	07/29/25 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130				07/24/25 14:29	07/29/25 14:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.0		9.96		mg/Kg			07/25/25 22:41	1

70 - 130

Client Sample ID: H-3 (0-1') Lab Sample ID: 880-60773-3 Date Collected: 07/24/25 00:00 **Matrix: Solid**

Date Received: 07/25/25 09:35

Released to Imaging: 10/16/2025 1:37:53 PM

o-Terphenyl (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		07/25/25 10:33	07/26/25 13:44	
Toluene	< 0.00199	U	0.00199		mg/Kg		07/25/25 10:33	07/26/25 13:44	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		07/25/25 10:33	07/26/25 13:44	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/25/25 10:33	07/26/25 13:44	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		07/25/25 10:33	07/26/25 13:44	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/25/25 10:33	07/26/25 13:44	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	129		70 - 130				07/25/25 10:33	07/26/25 13:44	
4 4 5 77 4 40 1	440						07/05/05 10 00	07/00/05 40 44	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Applyte			70 ₋ 130	MDI	l Init	D	07/25/25 10:33	07/26/25 13:44	
Method: TAL SOP Total BTEX	- Total BTEX Cald			MDI	l Init	D			
	- Total BTEX Cald	Qualifier	70 - 130 RL 0.00398	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/26/25 13:44	Dil Fa
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald Result <0.00398	Qualifier U	RL 0.00398	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald Result <0.00398 esel Range Organ	Qualifier U	RL 0.00398	MDL MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fa
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00398 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 07/26/25 13:44	Dil Fa
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Cald Result <0.00398 esel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 ————————————————————————————————————		mg/Kg		Prepared	Analyzed 07/26/25 13:44 Analyzed	Dil Fa
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Cald Result <0.00398 esel Range Organ Result <50.0 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 ————————————————————————————————————		mg/Kg Unit mg/Kg		Prepared	Analyzed 07/26/25 13:44 Analyzed	Dil Fa
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Cald Result <0.00398 esel Range Organ Result <50.0 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U inics (DRO) Qualifier	RL 0.00398 GC) RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 07/26/25 13:44 Analyzed 07/29/25 15:09	Dil Fa
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics	- Total BTEX Calc Result <0.00398 esel Range Organ Result <50.0 Diesel Range Orga Result	Qualifier U ics (DRO) (Qualifier U inics (DRO) Qualifier U	RL 0.00398 GC) RL 50.0 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	Analyzed 07/26/25 13:44 Analyzed 07/29/25 15:09 Analyzed	Dil Fa

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Lab Sample ID: 880-60773-3

Matrix: Solid

Job ID: 880-60773-1

SDG: Eddy Co, NM

Client Sample ID: H-3 (0-1') Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC) (Continu	ed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/24/25 14:29	07/29/25 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130				07/24/25 14:29	07/29/25 15:09	1
o-Terphenyl (Surr)	71		70 - 130				07/24/25 14:29	07/29/25 15:09	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.4		10.0		mg/Kg			07/25/25 22:47	1

Client Sample ID: H-4 (0-1')

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35

Lab Sample ID: 880-60773-4

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 07/25/25 10:33 07/26/25 14:04 mg/Kg Toluene <0.00200 U 0.00200 07/25/25 10:33 07/26/25 14:04 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg 07/25/25 10:33 07/26/25 14:04 m-Xylene & p-Xylene 07/25/25 10:33 07/26/25 14:04 <0.00399 U 0.00399 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 07/25/25 10:33 07/26/25 14:04 07/25/25 10:33 Xylenes, Total <0.00399 U 0.00399 mg/Kg 07/26/25 14:04 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 07/25/25 10:33 07/26/25 14:04 4-Bromofluorobenzene (Surr) 124 1,4-Difluorobenzene (Surr) 113 70 - 130 07/25/25 10:33 07/26/25 14:04

Method: TAL SOP Total BTEX - Tot	al BTEX Cal	culation						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/26/25 14:04	1

Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GO	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/29/25 15:25	1
Method: SW846 8015B NM - Dies	el Range Orga	inics (DRO) (C	: C)						
Analyto		, , ,	•	MDI	Unit	n	Dronarod	Analyzod	Dil Ess
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared 07/24/25 14:29	Analyzed 07/29/25 15:25	Dil Fac

C10-C28) Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	07/24/25 14:29	07/29/25 15:25	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130		07/24/25 14:29	07/29/25 15:25	1
o-Terphenyl (Surr)	71		70 - 130		07/24/25 14:29	07/29/25 15:25	1

49.8

mg/Kg

<49.8 U

Method: EPA 300.0 - Anions, Ion C									
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.2		9.94		mg/Kg			07/25/25 23:04	1

Eurofins Midland

07/24/25 14:29

07/29/25 15:25

Diesel Range Organics (Over

7/30/2025

Surrogate Summary

Client: Carmona Resources Job ID: 880-60773-1 Project/Site: Cypher 36 State Com 1 SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-60736-A-101-B MS	Matrix Spike	115	110	
880-60736-A-101-C MSD	Matrix Spike Duplicate	117	117	
880-60773-1	H-1 (0-1')	115	109	
880-60773-2	H-2 (0-1')	126	115	
880-60773-3	H-3 (0-1')	129	119	
880-60773-4	H-4 (0-1')	124	113	
LCS 880-114978/1-A	Lab Control Sample	104	108	
LCSD 880-114978/2-A	Lab Control Sample Dup	111	104	
MB 880-114964/5-A	Method Blank	160 S1+	96	
MB 880-114978/5-A	Method Blank	152 S1+	98	

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)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-60736-A-95-B MS	Matrix Spike	72	70	
880-60736-A-95-C MSD	Matrix Spike Duplicate	76	72	
880-60773-1	H-1 (0-1')	84	73	
880-60773-2	H-2 (0-1')	79	72	
880-60773-3	H-3 (0-1')	81	71	
880-60773-4	H-4 (0-1')	82	71	
LCS 880-114957/2-A	Lab Control Sample	97	101	
LCSD 880-114957/3-A	Lab Control Sample Dup	97	97	
MB 880-114957/1-A	Method Blank	122	113	

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Client: Carmona Resources Job ID: 880-60773-1 Project/Site: Cypher 36 State Com 1 SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

Matrix: Solid

Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene

o-Xylene Xylenes, Total

Analysis Batch: 114065

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114964

MB	MB							
Result	Qualifier	lifier RL MDI		Unit D		Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200		mg/Kg		07/24/25 15:11	07/25/25 18:41	1
<0.00200	U	0.00200		mg/Kg		07/24/25 15:11	07/25/25 18:41	1
<0.00200	U	0.00200		mg/Kg		07/24/25 15:11	07/25/25 18:41	1
<0.00400	U	0.00400		mg/Kg		07/24/25 15:11	07/25/25 18:41	1
<0.00200	U	0.00200		mg/Kg		07/24/25 15:11	07/25/25 18:41	1

mg/Kg

MB MB

<0.00400 U

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

0.00400

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

Matrix: Solid

Analysis Batch: 114065

Client Sample ID: Method Blank

07/25/25 18:41

07/24/25 15:11

Prep Type: Total/NA

Prep Batch: 114978

мв мв

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

MB MB

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

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

Matrix: Solid

Analysis Batch: 114065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114978

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

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1.4-Difluorobenzene (Surr)	108	70 - 130

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

Matrix: Solid

Analysis Batch: 114065

Prep Type: Total/NA

Prep Batch: 114978

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

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Job ID: 880-60773-1 Client: Carmona Resources Project/Site: Cypher 36 State Com 1 SDG: Eddy Co, NM

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

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

Matrix: Solid Analysis Batch: 114065 **Client Sample ID: Lab Control Sample Dup**

Prep Type: Total/NA **Prep Batch: 114978**

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

LCSD LCSD

Surrogate	%Recovery Qualif	ïer Limits
4-Bromofluorobenzene (Surr)	111	70 _ 130
1,4-Difluorobenzene (Surr)	104	70 - 130

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

Matrix: Solid

Analysis Batch: 114065

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114978

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

MS MS

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

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

Matrix: Solid

Analysis Batch: 114065

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114978

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09859		mg/Kg		99	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.08076		mg/Kg		81	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.100	0.09294		mg/Kg		93	70 - 130	6	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1999		mg/Kg		100	70 - 130	7	35
o-Xylene	<0.00200	U	0.100	0.1053		mg/Kg		105	70 - 130	4	35

MSD MSD

мв мв Result Qualifier

<50.0 U

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

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

Lab Sample ID: MB 880-114957/1-A

Matrix: Solid

Analysis Batch: 115274

Gasoline Range Organics

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

Prepared

07/24/25 14:29

Prep Batch: 114957

07/29/25 05:32

(GRO)-C6-C10

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50.0

MDL Unit

mg/Kg

Client: Carmona Resources Job ID: 880-60773-1 Project/Site: Cypher 36 State Com 1 SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-114957/1-A **Matrix: Solid**

Analysis Batch: 115274

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

Prep Batch: 114957

Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0	mg/Kg		07/24/25 14:29	07/29/25 05:32	1
<50.0	U	50.0	mg/Kg		07/24/25 14:29	07/29/25 05:32	1
	<50.0		<50.0 U 50.0	<50.0 U 50.0 mg/Kg	<50.0 U 50.0 mg/Kg	<50.0 U 50.0 mg/Kg 07/24/25 14:29	<50.0 U 50.0 mg/Kg 07/24/25 14:29 07/29/25 05:32

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130	07/24/25 14:29	07/29/25 05:32	1
o-Terphenyl (Surr)	113		70 - 130	07/24/25 14:29	07/29/25 05:32	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-114957/2-A **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 115274 **Prep Batch: 114957**

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	979.8		mg/Kg		98	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	960.0		mg/Kg		96	70 - 130	
C10 C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-114957/3-A

Matrix: Solid

Analysis Batch: 115274

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

Prep Batch: 114957

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	990.3		mg/Kg		99	70 - 130	1	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	965.1		mg/Kg		97	70 - 130	1	20	
C10-C28)										

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 97 70 - 130 o-Terphenyl (Surr) 97 70 - 130

Lab Sample ID: 880-60736-A-95-B MS

Matrix: Solid

Analysis Batch: 115274

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114957

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	996	805.3		mg/Kg		81	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U	996	804.2		mg/Kg		81	70 - 130	
C10-C28\										

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	72		70 - 130
o-Terphenyl (Surr)	70		70 - 130

Client: Carmona Resources Project/Site: Cypher 36 State Com 1

Job ID: 880-60773-1

SDG: Eddy Co, NM

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

Lab Sample ID: 880-60736-A-95-C MSD

Matrix: Solid Analysis Batch: 115274 Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Prep Batch: 114957

Sample Sample Spike MSD MSD Result Qualifier RPD Limit Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics <49.9 U 996 834.7 mg/Kg 84 70 - 130 4 20 (GRO)-C6-C10 996 826.7 Diesel Range Organics (Over <49.9 U mg/Kg 83 70 - 130 3

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	76		70 - 130
o-Terphenyl (Surr)	72		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115035/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 115044

мв мв

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/k	(g		07/25/25 21:11	1

Lab Sample ID: LCS 880-115035/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 115044

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 250	251.6		mg/Kg		101	90 - 110	

Lab Sample ID: LCSD 880-115035/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 115044

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	251.5		ma/Ka		101	90 110		20	

Lab Sample ID: 880-60773-3 MS Client Sample ID: H-3 (0-1') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 115044

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	12.4		251	269.7		ma/Ka		103	90 110		

Lab Sample ID: 880-60773-3 MSD

Matrix: Solid

Analysis Batch: 115044											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	12.4		251	270.1		ma/Ka		103	90 110		20

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Client Sample ID: H-3 (0-1')

Prep Type: Soluble

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-60773-1 SDG: Eddy Co, NM

GC VOA

Analysis Batch: 114065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60773-1	H-1 (0-1')	Total/NA	Solid	8021B	114978
880-60773-2	H-2 (0-1')	Total/NA	Solid	8021B	114978
880-60773-3	H-3 (0-1')	Total/NA	Solid	8021B	114978
880-60773-4	H-4 (0-1')	Total/NA	Solid	8021B	114978
MB 880-114964/5-A	Method Blank	Total/NA	Solid	8021B	114964
MB 880-114978/5-A	Method Blank	Total/NA	Solid	8021B	114978
LCS 880-114978/1-A	Lab Control Sample	Total/NA	Solid	8021B	114978
LCSD 880-114978/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114978
880-60736-A-101-B MS	Matrix Spike	Total/NA	Solid	8021B	114978
880-60736-A-101-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	114978

Prep Batch: 114964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-114964/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 114978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60773-1	H-1 (0-1')	Total/NA	Solid	5035	
880-60773-2	H-2 (0-1')	Total/NA	Solid	5035	
880-60773-3	H-3 (0-1')	Total/NA	Solid	5035	
880-60773-4	H-4 (0-1')	Total/NA	Solid	5035	
MB 880-114978/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114978/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114978/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-60736-A-101-B MS	Matrix Spike	Total/NA	Solid	5035	
880-60736-A-101-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 115235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60773-1	H-1 (0-1')	Total/NA	Solid	Total BTEX	
880-60773-2	H-2 (0-1')	Total/NA	Solid	Total BTEX	
880-60773-3	H-3 (0-1')	Total/NA	Solid	Total BTEX	
880-60773-4	H-4 (0-1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60773-1	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-60773-2	H-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-60773-3	H-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-60773-4	H-4 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-114957/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114957/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114957/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-60736-A-95-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-60736-A-95-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60773-1	H-1 (0-1')	Total/NA	Solid	8015B NM	114957

Client: Carmona Resources Project/Site: Cypher 36 State Com 1 Job ID: 880-60773-1

SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 115274 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60773-2	H-2 (0-1')	Total/NA	Solid	8015B NM	114957
880-60773-3	H-3 (0-1')	Total/NA	Solid	8015B NM	114957
880-60773-4	H-4 (0-1')	Total/NA	Solid	8015B NM	114957
MB 880-114957/1-A	Method Blank	Total/NA	Solid	8015B NM	114957
LCS 880-114957/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114957
LCSD 880-114957/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114957
880-60736-A-95-B MS	Matrix Spike	Total/NA	Solid	8015B NM	114957
880-60736-A-95-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	114957

Analysis Batch: 115376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Ba	itch
880-60773-1	H-1 (0-1')	Total/NA	Solid	8015 NM	
880-60773-2	H-2 (0-1')	Total/NA	Solid	8015 NM	
880-60773-3	H-3 (0-1')	Total/NA	Solid	8015 NM	
880-60773-4	H-4 (0-1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 115035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60773-1	H-1 (0-1')	Soluble	Solid	DI Leach	
880-60773-2	H-2 (0-1')	Soluble	Solid	DI Leach	
880-60773-3	H-3 (0-1')	Soluble	Solid	DI Leach	
880-60773-4	H-4 (0-1')	Soluble	Solid	DI Leach	
MB 880-115035/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115035/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115035/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-60773-3 MS	H-3 (0-1')	Soluble	Solid	DI Leach	
880-60773-3 MSD	H-3 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 115044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60773-1	H-1 (0-1')	Soluble	Solid	300.0	115035
880-60773-2	H-2 (0-1')	Soluble	Solid	300.0	115035
880-60773-3	H-3 (0-1')	Soluble	Solid	300.0	115035
880-60773-4	H-4 (0-1')	Soluble	Solid	300.0	115035
MB 880-115035/1-A	Method Blank	Soluble	Solid	300.0	115035
LCS 880-115035/2-A	Lab Control Sample	Soluble	Solid	300.0	115035
LCSD 880-115035/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115035
880-60773-3 MS	H-3 (0-1')	Soluble	Solid	300.0	115035
880-60773-3 MSD	H-3 (0-1')	Soluble	Solid	300.0	115035

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

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

Date Collected: 07/24/25 00:00

Date Received: 07/25/25 09:35

Job ID: 880-60773-1 SDG: Eddy Co, NM

Lab Sample ID: 880-60773-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114978	07/25/25 10:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114065	07/26/25 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115235	07/26/25 13:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			115376	07/29/25 14:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114957	07/24/25 14:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 14:36	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115035	07/25/25 11:05	SA	EET MID
Soluble	Analysis	300.0		1			115044	07/25/25 22:36	CS	EET MID

Client Sample ID: H-2 (0-1') Lab Sample ID: 880-60773-2

Date Collected: 07/24/25 00:00 Matrix: Solid

Date Received: 07/25/25 09:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114978	07/25/25 10:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114065	07/26/25 13:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115235	07/26/25 13:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			115376	07/29/25 14:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114957	07/24/25 14:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 14:53	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115035	07/25/25 11:05	SA	EET MID
Soluble	Analysis	300.0		1			115044	07/25/25 22:41	CS	EET MID

Client Sample ID: H-3 (0-1')

Lab Sample ID: 880-60773-3 Date Collected: 07/24/25 00:00 **Matrix: Solid** Date Received: 07/25/25 09:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114978	07/25/25 10:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114065	07/26/25 13:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115235	07/26/25 13:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			115376	07/29/25 15:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114957	07/24/25 14:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 15:09	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	115035	07/25/25 11:05	SA	EET MID
Soluble	Analysis	300.0		1			115044	07/25/25 22:47	CS	EET MID

Client Sample ID: H-4 (0-1') Lab Sample ID: 880-60773-4

Date Collected: 07/24/25 00:00 Date Received: 07/25/25 09:35

Released to Imaging: 10/16/2025 1:37:53 PM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114978	07/25/25 10:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114065	07/26/25 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115235	07/26/25 14:04	SA	EET MID

Eurofins Midland

Matrix: Solid

Lab Chronicle

Client: Carmona Resources Job ID: 880-60773-1 Project/Site: Cypher 36 State Com 1 SDG: Eddy Co, NM

Client Sample ID: H-4 (0-1')

Date Received: 07/25/25 09:35

Lab Sample ID: 880-60773-4 Date Collected: 07/24/25 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115376	07/29/25 15:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114957	07/24/25 14:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 15:25	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	115035	07/25/25 11:05	SA	EET MID
Soluble	Analysis	300.0		1			115044	07/25/25 23:04	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

Job ID: 880-60773-1

Project/Site: Cypher 36 State Com 1

SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date	
Texas	NELA	Р	T104704400	06-30-26	
• ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes	
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: Cypher 36 State Com 1

Job ID: 880-60773-1

SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-60773-1

SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
880-60773-1	H-1 (0-1')	Solid	07/24/25 00:00	07/25/25 09:35	
880-60773-2	H-2 (0-1')	Solid	07/24/25 00:00	07/25/25 09:35	
880-60773-3	H-3 (0-1')	Solid	07/24/25 00:00	07/25/25 09:35	
880-60773-4	H-4 (0-1')	Solid	07/24/25 00:00	07/25/25 09:35	

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880-60773 Chain of Custody Page 1	Work Order Comments	Program: UST/PST PRP Irownfields RC Iperfund		□RRP □Level IV □	□ ADaPT □ Other:	Preservative Codes	None: NO DI Water: H ₂ O	-	HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na	•	d NaHSO₄: NABIS		Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC		Sample Comments									Date/Time	745/24 935
880-607		Program: UST/PST	State of Project:	Reporting:Level II	Deliverables: EDD	ANALYSIS REQUEST																		Received by: (Signature)	
dy			St, Suite 600	_	Email: nathaniel.rose@coterra.com & ashton.thielke@coterra.com	ANALYSIS																			
Chain of Custody	Nathaniel Rose	Cimarex Energy	600 N Marienfield St,	Midland, TX 79701	com & ashton.thi			(0	+ MR(ова	K 802-	e)	Maros	8 H	qT	×	×	×	×					Date/Time	
Chain	erent)	Vame:		ZIP:	rose@coterra.		Pres. Code	lal	S	S neter	Seram	4	\S	┪	Grab/ # of Comp Cont	6 1	6 1	0	D		+				
	Bill to: (if different)	Company Name	Address:	City, State ZIP:	ail: nathaniel.	Turn Around	Rush	Normal		(%)	7	.	e e		Water										
					Emi	Tu	✓ Routine	Due Date:		Wet Ice:		tor:	leading:	perature.	Soil	×	×	×	×						,
						om 1				ves No	Thermometer ID:	Correction Factor	Temperature Reading:	בסוופרוכת ובוו	Time									Relinquished by: (Signature)	
		ources	Ste 500	9701		Cypher 36 State Com 1	2800	Eddy Co, NM	GPJ	Jegp Blank:	2	ž	No N/A		Date	7/24/2025	7/24/2025	7/24/2025	7/24/2025					Relinquished I	
	Ashton Thielke	Carmona Resources	310 W Wall St Ste 500	Midland, TX 79701	432-813-8988	Cyb							ıls: Yes		ıtification	1-1)	1-1)	1-1)	1-1')						
	Project Manager:		Address:	e ZIP:		Project Name:	Project Number:	Project Location	Sampler's Name:	SAMPLE RECEIPT	Received Intact:	Cooler Custody Seals:	Sample Custody Seals:	Total Containers.	Sample Identification	H-1 (0-1)	H-2 (0-1')	H-3 (0-1')	H-4 (0-1')				Comments:		

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-60773-1 SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Number: 60773 List Number: 1

Creator: Vasquez, Julisa

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	N/A	

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/18/2025 2:48:14 PM

JOB DESCRIPTION

Cypher 36 State Com 1 Eddy Co NM

JOB NUMBER

880-61562-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 8/18/2025 2:48:14 PM

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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8/18/2025

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Client: Carmona Resources Project/Site: Cypher 36 State Com 1 Laboratory Job ID: 880-61562-1

SDG: Eddy Co NM

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Definitions/Glossary

Job ID: 880-61562-1 Client: Carmona Resources Project/Site: Cypher 36 State Com 1 SDG: Eddy Co NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

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 Colony Forming Unit CFU **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) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

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

Toxicity Equivalent Factor (Dioxin) TFF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-61562-1
Project: Cypher 36 State Com 1

Job ID: 880-61562-1 Eurofins Midland

Job Narrative 880-61562-1

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

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

Receipt

The samples were received on 8/15/2025 4:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Midland

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Client Sample Results

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-61562-1 SDG: Eddy Co NM

Lab Sample ID: 880-61562-1

Matrix: Solid

Client Sample ID: SW-1 (5.0')

Date Collected: 08/15/25 00:00 Date Received: 08/15/25 16:36

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 11:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/18/25 07:54	08/18/25 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 11:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/18/25 07:54	08/18/25 11:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/18/25 07:54	08/18/25 11:37	1
1,4-Difluorobenzene (Surr)	88		70 - 130				08/18/25 07:54	08/18/25 11:37	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/18/25 11:37	1
: Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed	
Analyte	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/18/25 13:06	
Analyte Total TPH		Qualifier U	RL 49.8	MDL		<u>D</u>	Prepared		
Analyte Total TPH . Method: SW846 8015B NM - Dies	Result <49.8	Qualifier U	RL 49.8			D 	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.8	Qualifier U nics (DRO) Qualifier	RL 49.8		mg/Kg		<u> </u>	08/18/25 13:06	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.8 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.8 (GC)		mg/Kg		Prepared	08/18/25 13:06 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 sel Range Orga Result <49.8	Qualifier U nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared 08/17/25 17:35	08/18/25 13:06 Analyzed 08/18/25 13:06	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <49.8 sel Range Orga Result <49.8 <49.8	Qualifier U nics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35	08/18/25 13:06 Analyzed 08/18/25 13:06 08/18/25 13:06	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35	08/18/25 13:06 Analyzed 08/18/25 13:06 08/18/25 13:06 08/18/25 13:06	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Result <49.8 Sel Range Orga Result <49.8 <49.8 <49.8 %Recovery	Qualifier U nics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35 08/17/25 17:35 Prepared	08/18/25 13:06 Analyzed 08/18/25 13:06 08/18/25 13:06 08/18/25 13:06 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.8 (GC) RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35 08/17/25 17:35 Prepared 08/17/25 17:35	08/18/25 13:06 Analyzed 08/18/25 13:06 08/18/25 13:06 08/18/25 13:06 Analyzed 08/18/25 13:06	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.8 (GC) RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35 08/17/25 17:35 Prepared 08/17/25 17:35	08/18/25 13:06 Analyzed 08/18/25 13:06 08/18/25 13:06 08/18/25 13:06 Analyzed 08/18/25 13:06	1 Dil Fac

Client Sample ID: SW-2 (5.0') Lab Sample ID: 880-61562-2 Date Collected: 08/15/25 00:00 **Matrix: Solid**

Date Received: 08/15/25 16:36

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 13:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 13:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 13:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/18/25 07:54	08/18/25 13:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 13:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/18/25 07:54	08/18/25 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/18/25 07:54	08/18/25 13:19	1
1,4-Difluorobenzene (Surr)	89		70 - 130				08/18/25 07:54	08/18/25 13:19	1

Client Sample Results

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-61562-1

SDG: Eddy Co NM

Client Sample ID: SW-2 (5.0')

Date Collected: 08/15/25 00:00 Date Received: 08/15/25 16:36 Lab Sample ID: 880-61562-2

08/18/25 10:23

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/18/25 13:19	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/18/25 13:21	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		08/17/25 17:35	08/18/25 13:21	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		08/17/25 17:35	08/18/25 13:21	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/17/25 17:35	08/18/25 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130				08/17/25 17:35	08/18/25 13:21	1
o-Terphenyl (Surr)	78		70 - 130				08/17/25 17:35	08/18/25 13:21	1
Method: EPA 300.0 - Anions, Ion	Chromotogran	hy Solubl							
	CHIOMATOORAD	ภาง - ฮอเนอเ	e						

Client Sample ID: SW-3 (5.0') Lab Sample ID: 880-61562-3 **Matrix: Solid**

10.0

mg/Kg

17.4

Date Collected: 08/15/25 00:00

Chloride

Date Received: 08/15/25 16:36

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 13:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 13:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 13:40	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/18/25 07:54	08/18/25 13:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 13:40	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/18/25 07:54	08/18/25 13:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
			70 - 130				08/18/25 07:54	08/18/25 13:40	1
4-Bromofluorobenzene (Surr)	112								
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	90		70 - 130	MDI	11-24		08/18/25 07:54	08/18/25 13:40	
1,4-Difluorobenzene (Surr)	90	culation	70 - 130				08/18/25 07:54	08/18/25 13:40	1
1,4-Difluorobenzene (Surr)	90	Qualifier	70 - 130 RL 0.00401	MDL	Unit mg/Kg	<u>D</u>	08/18/25 07:54 Prepared	08/18/25 13:40 Analyzed 08/18/25 13:40	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX	90 - Total BTEX Calc Result <0.00401	Qualifier U	RL 0.00401	MDL		<u>D</u>		Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald Result <0.00401 essel Range Organ	Qualifier U	RL 0.00401			<u>D</u>		Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00401 essel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00401		mg/Kg		Prepared	Analyzed 08/18/25 13:40	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00401 esel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 ——————————————————————————————————		mg/Kg		Prepared	Analyzed 08/18/25 13:40 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	- Total BTEX Calc Result <-0.00401 esel Range Organ Result <-50.0 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 ——————————————————————————————————	MDL	mg/Kg		Prepared	Analyzed 08/18/25 13:40 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E	- Total BTEX Calc Result <-0.00401 esel Range Organ Result <-50.0 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00401 GC) RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 08/18/25 13:40 Analyzed 08/18/25 13:38	Dil Fac

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-61562-1

SDG: Eddy Co NM

Client Sample ID: SW-3 (5.0')

Date Collected: 08/15/25 00:00 Date Received: 08/15/25 16:36

Lab Sample ID: 880-61562-3

Matrix: Solid

Method: SW846 8015B NM - Diesel	Range Orga	nics (DRO) (GC)	(Contin	ued)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 13:38	1
Surrogate	%Recovery	Qualifier Li	mits				Prepared	Analyzed	Dil Fac

1-Chlorooctane (Surr) 75 70 - 130 08/17/25 17:35 08/18/25 13:38 o-Terphenyl (Surr) 73 70 - 130 08/17/25 17:35 08/18/25 13:38

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared 10.1 08/18/25 10:29 Chloride 21.9 mg/Kg

Client Sample ID: SW-4 (5.0')

Date Collected: 08/15/25 00:00 Date Received: 08/15/25 16:36

Lab Sample ID: 880-61562-4

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/18/25 07:54	08/18/25 14:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/18/25 07:54	08/18/25 14:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/18/25 07:54	08/18/25 14:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/18/25 07:54	08/18/25 14:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/18/25 07:54	08/18/25 14:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/18/25 07:54	08/18/25 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/18/25 07:54	08/18/25 14:00	1

1,4-Difluorobenzene (Surr) 70 - 130 08/18/25 07:54 08/18/25 14:00 **Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/18/25 14:00	1
 Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (G	C)					

mountain criterio de la rimi Electricamige	·	(=::0) (==)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/18/25 14:09	1

Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		08/17/25 17:35	08/18/25 14:09	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		08/17/25 17:35	08/18/25 14:09	1
C10-C28)									

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76	70 - 130	08/17/25 17:35	08/18/25 14:09	1
o-Terphenyl (Surr)	74	70 - 130	08/17/25 17:35	08/18/25 14:09	1

49.8

mg/Kg

08/17/25 17:35

<49.8 U

Method: EPA 300.0 - Anions, Ion C	hromatograpl	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.4		10.1		mg/Kg			08/18/25 10:35	1

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08/18/25 14:09

Oil Range Organics (Over C28-C36)

Surrogate Summary

Client: Carmona Resources Job ID: 880-61562-1 Project/Site: Cypher 36 State Com 1 SDG: Eddy Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-61562-1	SW-1 (5.0')	111	88	
380-61562-1 MS	SW-1 (5.0')	124	92	
880-61562-1 MSD	SW-1 (5.0')	115	94	
880-61562-2	SW-2 (5.0')	108	89	
880-61562-3	SW-3 (5.0')	112	90	
880-61562-4	SW-4 (5.0')	106	86	
LCS 880-116868/1-A	Lab Control Sample	110	93	
LCSD 880-116868/2-A	Lab Control Sample Dup	119	90	
MB 880-116868/5-A	Method Blank	106	83	
Surrogate Legend				

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

Prep Type: Total/NA **Matrix: Solid**

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-61562-1	SW-1 (5.0')	73	73	
880-61562-2	SW-2 (5.0')	79	78	
880-61562-3	SW-3 (5.0')	75	73	
880-61562-4	SW-4 (5.0')	76	74	
890-8631-A-1-D MS	Matrix Spike	73	77	
890-8631-A-1-E MSD	Matrix Spike Duplicate	72	77	
LCS 880-116866/2-A	Lab Control Sample	74	82	
LCSD 880-116866/3-A	Lab Control Sample Dup	93	81	
MB 880-116866/1-A	Method Blank	79	81	

1CO = 1-Chlorooctane (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources Job ID: 880-61562-1 SDG: Eddy Co NM Project/Site: Cypher 36 State Com 1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116868/5-A

Matrix: Solid

Analysis Batch: 116870

Client Sample ID: Method Blank

Prep Batch: 116868

1

Prep Type: Total/NA

	1110	III.D						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		08/18/25 07:54	08/18/25 11:16	
Toluene	<0.00200	U	0.00200	mg/Kg		08/18/25 07:54	08/18/25 11:16	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/18/25 07:54	08/18/25 11:16	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/18/25 07:54	08/18/25 11:16	
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/18/25 07:54	08/18/25 11:16	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/18/25 07:54	08/18/25 11:16	

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/18/25 07:54	08/18/25 11:16	1
1,4-Difluorobenzene (Surr)	83		70 - 130	08/18/25 07:54	08/18/25 11:16	1

Lab Sample ID: LCS 880-116868/1-A

Matrix: Solid

Analysis Batch: 116870

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116868

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1082		mg/Kg		108	70 - 130	
Toluene	0.100	0.1043		mg/Kg		104	70 - 130	
Ethylbenzene	0.100	0.1187		mg/Kg		119	70 - 130	
m-Xylene & p-Xylene	0.200	0.2346		mg/Kg		117	70 - 130	
o-Xylene	0.100	0.1154		mg/Kg		115	70 - 130	

LCS LCS

Surrogate	%Recovery Qu	ıalifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-116868/2-A

Matrix: Solid

Analysis Batch: 116870

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116868

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1062		mg/Kg		106	70 - 130	2	35
Toluene	0.100	0.1018		mg/Kg		102	70 - 130	2	35
Ethylbenzene	0.100	0.1157		mg/Kg		116	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2281		mg/Kg		114	70 - 130	3	35
o-Xylene	0.100	0.1125		mg/Kg		112	70 - 130	3	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	119	70 - 130
1,4-Difluorobenzene (Surr)	90	70 - 130

Lab Sample ID: 880-61562-1 MS

Matrix: Solid

Analysis Batch: 116870

Client Sample ID: SW-1 (5.0')

Prep Type: Total/NA

Prep Batch: 116868

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.1012		mg/Kg		101	70 - 130	
Toluene	<0.00200	U	0.100	0.09287		mg/Kg		93	70 - 130	

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QC Sample Results

Client: Carmona Resources Job ID: 880-61562-1 SDG: Eddy Co NM Project/Site: Cypher 36 State Com 1

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

Lab Sample ID: 880-61562-1 MS

Ana

ab Sample ID: 880-61562-1 MS								Clien	t Sample ID: SW-1 (5.0')
atrix: Solid									Prep Type: Total/NA
nalysis Batch: 116870									Prep Batch: 116868
	Sample	Sample	Spike	MS	MS				%Rec
nalyto	Result	Qualifier	hahhΔ	Result	Qualifier	Unit	n	%Rec	Limits

Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Ethylbenzene	<0.00200	U	0.100	0.1035		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2022		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U	0.100	0.1012		mg/Kg		101	70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-61562-1 MSD

Client Sample ID: SW-1 (5.0') **Matrix: Solid** Prep Type: Total/NA **Prep Batch: 116868** Analysis Batch: 116870

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.08015		mg/Kg		80	70 - 130	23	35
Toluene	<0.00200	U	0.100	0.07371		mg/Kg		74	70 - 130	23	35
Ethylbenzene	<0.00200	U	0.100	0.08411		mg/Kg		84	70 - 130	21	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1643		mg/Kg		82	70 - 130	21	35
o-Xylene	<0.00200	U	0.100	0.08391		mg/Kg		84	70 - 130	19	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

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Lab Sample ID: MB 880-116866/1-A	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 116927	Prep Batch: 116866
MB MB	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 09:20	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 09:20	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 09:20	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130	08/17/25 17	35 08/18/25 09:20	1
o-Terphenyl (Surr)	81		70 - 130	08/17/25 17	35 08/18/25 09:20	1

Lab Sample ID: LCS 880-116866/2-A

Matrix: Solid							Prep Type: Total/NA
Analysis Batch: 116927							Prep Batch: 116866
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	1077		mg/Kg		108	70 - 130

1059

mg/Kg

Diesel Range Organics (Over C10-C28)

(GRO)-C6-C10

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Client Sample ID: Lab Control Sample

70 - 130

106

1000

Client: Carmona Resources Project/Site: Cypher 36 State Com 1

Job ID: 880-61562-1

SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-116866/2-A

Analysis Batch: 116927

Matrix: Solid

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116866

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 74 70 - 130 o-Terphenyl (Surr) 82 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116866

Lab Sample ID: LCSD 880-116866/3-A **Matrix: Solid**

Lab Sample ID: 890-8631-A-1-D MS

Analysis Batch: 116927

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1101		mg/Kg		110	70 - 130	2	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1012		mg/Kg		101	70 - 130	5	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	81		70 - 130

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116866

Sample Sample MS MS Spike %Rec Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U 999 956.7 mg/Kg 96 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 999 976.5 mg/Kg 95 70 - 130

C10-C28)

Matrix: Solid

Analysis Batch: 116927

MS MS Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane (Surr) 7.3 o-Terphenyl (Surr) 77 70 - 130

Lab Sample ID: 890-8631-A-1-E MSD Client Sample ID: Matrix Spike Duplicate

Analysis Batch: 116927

Matrix: Solid Prep Type: Total/NA **Prep Batch: 116866**

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics <50.0 U 999 965.1 97 20 mg/Kg 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 999 995.9 mg/Kg 97 70 - 130 20

C10-C28)

MSD MSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane (Surr)	72	70 - 130
o-Terphenyl (Surr)	77	70 - 130

Client Sample ID: Method Blank

Prep Type: Soluble

QC Sample Results

Client: Carmona Resources Job ID: 880-61562-1 Project/Site: Cypher 36 State Com 1 SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116836/1-A

Matrix: Solid

Analysis Batch: 116875

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepa	ared Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/18/25 08:5	8 1

Lab Sample ID: LCS 880-116836/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 116875

	Spike	LCS LCS				%Rec	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	
Chloride	250	238.8	mg/Kg		96	90 - 110	

Lab Sample ID: LCSD 880-116836/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 116875

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	238.7		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-61562-4 MS Client Sample ID: SW-4 (5.0') Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 116875

_	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	48.4		252	292.0		mg/Kg		97	90 - 110	

Lab Sample ID: 880-61562-4 MSD Client Sample ID: SW-4 (5.0') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 116875

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	48.4		252	292.3		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-61562-1 SDG: Eddy Co NM

GC VOA

Prep Batch: 116868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61562-1	SW-1 (5.0')	Total/NA	Solid	5035	
880-61562-2	SW-2 (5.0')	Total/NA	Solid	5035	
880-61562-3	SW-3 (5.0')	Total/NA	Solid	5035	
880-61562-4	SW-4 (5.0')	Total/NA	Solid	5035	
MB 880-116868/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116868/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116868/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-61562-1 MS	SW-1 (5.0')	Total/NA	Solid	5035	
880-61562-1 MSD	SW-1 (5.0')	Total/NA	Solid	5035	

Analysis Batch: 116870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61562-1	SW-1 (5.0')	Total/NA	Solid	8021B	116868
880-61562-2	SW-2 (5.0')	Total/NA	Solid	8021B	116868
880-61562-3	SW-3 (5.0')	Total/NA	Solid	8021B	116868
880-61562-4	SW-4 (5.0')	Total/NA	Solid	8021B	116868
MB 880-116868/5-A	Method Blank	Total/NA	Solid	8021B	116868
LCS 880-116868/1-A	Lab Control Sample	Total/NA	Solid	8021B	116868
LCSD 880-116868/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116868
880-61562-1 MS	SW-1 (5.0')	Total/NA	Solid	8021B	116868
880-61562-1 MSD	SW-1 (5.0')	Total/NA	Solid	8021B	116868

Analysis Batch: 116973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61562-1	SW-1 (5.0')	Total/NA	Solid	Total BTEX	
880-61562-2	SW-2 (5.0')	Total/NA	Solid	Total BTEX	
880-61562-3	SW-3 (5.0')	Total/NA	Solid	Total BTEX	
880-61562-4	SW-4 (5.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 116866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61562-1	SW-1 (5.0')	Total/NA	Solid	8015NM Prep	
880-61562-2	SW-2 (5.0')	Total/NA	Solid	8015NM Prep	
880-61562-3	SW-3 (5.0')	Total/NA	Solid	8015NM Prep	
880-61562-4	SW-4 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-116866/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116866/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116866/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8631-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8631-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61562-1	SW-1 (5.0')	Total/NA	Solid	8015B NM	116866
880-61562-2	SW-2 (5.0')	Total/NA	Solid	8015B NM	116866
880-61562-3	SW-3 (5.0')	Total/NA	Solid	8015B NM	116866
880-61562-4	SW-4 (5.0')	Total/NA	Solid	8015B NM	116866
MB 880-116866/1-A	Method Blank	Total/NA	Solid	8015B NM	116866
LCS 880-116866/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116866

Eurofins Midland

Page 14 of 22

QC Association Summary

Client: Carmona Resources Project/Site: Cypher 36 State Com 1

Job ID: 880-61562-1 SDG: Eddy Co NM

GC Semi VOA (Continued)

Analysis Batch: 116927 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-116866/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116866
890-8631-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	116866
890-8631-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	116866

Analysis Batch: 116972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61562-1	SW-1 (5.0')	Total/NA	Solid	8015 NM	
880-61562-2	SW-2 (5.0')	Total/NA	Solid	8015 NM	
880-61562-3	SW-3 (5.0')	Total/NA	Solid	8015 NM	
880-61562-4	SW-4 (5.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 116836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61562-1	SW-1 (5.0')	Soluble	Solid	DI Leach	
880-61562-2	SW-2 (5.0')	Soluble	Solid	DI Leach	
880-61562-3	SW-3 (5.0')	Soluble	Solid	DI Leach	
880-61562-4	SW-4 (5.0')	Soluble	Solid	DI Leach	
MB 880-116836/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116836/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116836/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61562-4 MS	SW-4 (5.0')	Soluble	Solid	DI Leach	
880-61562-4 MSD	SW-4 (5.0')	Soluble	Solid	DI Leach	

Analysis Batch: 116875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61562-1	SW-1 (5.0')	Soluble	Solid	300.0	116836
880-61562-2	SW-2 (5.0')	Soluble	Solid	300.0	116836
880-61562-3	SW-3 (5.0')	Soluble	Solid	300.0	116836
880-61562-4	SW-4 (5.0')	Soluble	Solid	300.0	116836
MB 880-116836/1-A	Method Blank	Soluble	Solid	300.0	116836
LCS 880-116836/2-A	Lab Control Sample	Soluble	Solid	300.0	116836
LCSD 880-116836/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116836
880-61562-4 MS	SW-4 (5.0')	Soluble	Solid	300.0	116836
880-61562-4 MSD	SW-4 (5.0')	Soluble	Solid	300.0	116836

SDG: Eddy Co NM

Client Sample ID: SW-1 (5.0')

Project/Site: Cypher 36 State Com 1

Date Collected: 08/15/25 00:00 Date Received: 08/15/25 16:36

Client: Carmona Resources

Lab Sample ID: 880-61562-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	116868	08/18/25 07:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116870	08/18/25 11:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116973	08/18/25 11:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			116972	08/18/25 13:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116866	08/17/25 17:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116927	08/18/25 13:06	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116836	08/16/25 10:34	SMC	EET MID
Soluble	Analysis	300.0		1			116875	08/18/25 10:18	SMC	EET MID

Lab Sample ID: 880-61562-2

Date Collected: 08/15/25 00:00

Client Sample ID: SW-2 (5.0')

Date Received: 08/15/25 16:36

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	116868	08/18/25 07:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116870	08/18/25 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116973	08/18/25 13:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			116972	08/18/25 13:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116866	08/17/25 17:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116927	08/18/25 13:21	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	116836	08/16/25 10:34	SMC	EET MID
Soluble	Analysis	300.0		1			116875	08/18/25 10:23	SMC	EET MID

Client Sample ID: SW-3 (5.0')

Date Collected: 08/15/25 00:00

Date Received: 08/15/25 16:36

Lab Sample ID: 880-61562-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	116868	08/18/25 07:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116870	08/18/25 13:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116973	08/18/25 13:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			116972	08/18/25 13:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116866	08/17/25 17:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116927	08/18/25 13:38	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116836	08/16/25 10:34	SMC	EET MID
Soluble	Analysis	300.0		1			116875	08/18/25 10:29	SMC	EET MID

Client Sample ID: SW-4 (5.0')

Date Collected: 08/15/25 00:00

Date Received: 08/15/25 16:36

Lab Sample ID	880-61562-4
	Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	116868	08/18/25 07:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116870	08/18/25 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116973	08/18/25 14:00	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cypher 36 State Com 1

Job ID: 880-61562-1 SDG: Eddy Co NM

Lab Sample ID: 880-61562-4

Matrix: Solid

Client Sample ID: SW-4 (5.0')
Date Collected: 08/15/25 00:00

Date Received: 08/15/25 16:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			116972	08/18/25 14:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116866	08/17/25 17:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116927	08/18/25 14:09	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	116836	08/16/25 10:34	SMC	EET MID
Soluble	Analysis	300.0		1			116875	08/18/25 10:35	SMC	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: Cypher 36 State Com 1 Job ID: 880-61562-1

SDG: Eddy Co NM

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-26
,	are included in this report, bu	it the laboratory is not certi	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-61562-1

SDG: Eddy Co NM	

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Carmona Resources

Project/Site: Cypher 36 State Com 1

Job ID: 880-61562-1

SDG: Eddy Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-61562-1	SW-1 (5.0')	Solid	08/15/25 00:00	08/15/25 16:36	Texas
880-61562-2	SW-2 (5.0')	Solid	08/15/25 00:00	08/15/25 16:36	Texas
880-61562-3	SW-3 (5.0')	Solid	08/15/25 00:00	08/15/25 16:36	Texas
880-61562-4	SW-4 (5.0')	Solid	08/15/25 00:00	08/15/25 16:36	Texas

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Chain of Custody

				Comments:						SW-4 (5.0')	SW-3 (5.0')	SW-2 (5.0')	SW-1 (5.0')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:
	1									5.0')	5.0')	5.0')	5.0')	tification		ls: Yes	Ye)						Сур	432-813-8988	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Ashton Thielke
1	Kelliquistied by. (Signature)	Polinguished b								8/15/2025	8/15/2025	8/15/2025	8/15/2025	Date		No	NO NIA	Yes No	Temp-Blank:		GPJ	Eddy Co, NM	2800	Cypher 36 State Com 1		9701	t Ste 500	ources	е
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										Comp	Comp	Comp	Comp	Water Comp	3.0	Ŋ	0.1	1108	(XX) No			24 Hours	☑ Rush	Turn Around	laci.luig@coterra.com & ashton.thielke@coterra.com	City, State ZIP:	Address:	Company Name:	Bill to: (if different)
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Q	9	1												Sample	1+Ascort	etate+N	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSO ₄ : NABIS	H₃PO₄: HP	4. H ₂	H	Cool	ON	Presen	Other:	RRP		Program: UST/PST ☐PRP ☐Brownfields ☐RRC	nents
20.0	Date/ Illie	Pate												Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	ő	Sis		NaC	HNC	MeC	DIV	Preservative Codes	1.5				
8		3												ents	SAPC					NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H ₂ O	odes		Level IV		uperfund	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-61562-1

SDG Number: Eddy Co NM

List Source: Eurofins Midland

Login Number: 61562 List Number: 1

Creator: Kramer, Jessica

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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Released to Imaging: 10/16/2025 1:37:53 PM

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August 22, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CYPHER 36 STATE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 08/20/25 11:25.

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 accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 08/20/2025 Reported: 08/22/2025

Project Name: CYPHER 36 STATE COM 1

Project Number: 2800

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/19/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 5 (12.0') (H255183-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.4	2.00	1.31	
Toluene*	<0.050	0.050	08/21/2025	ND	1.89	94.4	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	1.89	94.3	2.00	1.48	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.58	93.1	6.00	1.64	
Total BTEX	<0.300	0.300	08/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/21/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2025	ND	227	114	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/20/2025	ND	231	115	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	08/20/2025	ND					
Surrogate: 1-Chlorooctane	91.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	88.1	% 40.6-15	3						

A I J D. ... 711

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

Received: 08/20/2025 Reported: 08/22/2025

CYPHER 36 STATE COM 1

Project Name: CYPH Project Number: 2800

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/19/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 6 (12.0') (H255183-02)

BTEX 8021B

DIEX GOZID	11197	K9	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.4	2.00	1.31	
Toluene*	<0.050	0.050	08/21/2025	ND	1.89	94.4	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	1.89	94.3	2.00	1.48	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.58	93.1	6.00	1.64	
Total BTEX	<0.300	0.300	08/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	ed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/21/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2025	ND	227	114	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/20/2025	ND	231	115	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	08/20/2025	ND					
Surrogate: 1-Chlorooctane	85.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	82.0	% 40.6-15	3						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

Received: 08/20/2025 Reported: 08/22/2025

Project Name: CYPHER 36 STATE COM 1

Project Number: 2800

Project Location: CIMAREX - EDDY CO NM Sampling Date: 08/19/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW - 7 (12.0') (H255183-03)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.4	2.00	1.31	
Toluene*	<0.050	0.050	08/21/2025	ND	1.89	94.4	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	1.89	94.3	2.00	1.48	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.58	93.1	6.00	1.64	
Total BTEX	<0.300	0.300	08/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.8	% 71.5-13	4						
Chloride, SM4500Cl-B	e, SM4500Cl-B mg/kg		Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/21/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2025	ND	227	114	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/20/2025	ND	231	115	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	08/20/2025	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	97.2	% 40.6-15	3						

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Celey D. Keene



Analytical Results For:

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

Received: 08/20/2025 Reported: 08/22/2025

CYPHER 36 STATE COM 1

Project Number: 2800

Project Name:

Project Location: CIMAREX - EDDY CO NM Sampling Date: 08/19/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 1 (5.0') (H255183-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.4	2.00	1.31	
Toluene*	<0.050	0.050	08/21/2025	ND	1.89	94.4	2.00	1.43	
Ethylbenzene*	< 0.050	0.050	08/21/2025	ND	1.89	94.3	2.00	1.48	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.58	93.1	6.00	1.64	
Total BTEX	<0.300	0.300	08/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/21/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2025	ND	227	114	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/20/2025	ND	231	115	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	08/20/2025	ND					
Surrogate: 1-Chlorooctane	88.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	83.8	% 40.6-15	3						

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Analytical Results For:

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

Received: 08/20/2025 Reported: 08/22/2025

Project Name: CYPHER 36 STATE COM 1

Project Number: 2800

Project Location: CIMAREX - EDDY CO NM Sampling Date: 08/19/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 2 (5.0') (H255183-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.4	2.00	1.31	
Toluene*	<0.050	0.050	08/21/2025	ND	1.89	94.4	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	1.89	94.3	2.00	1.48	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.58	93.1	6.00	1.64	
Total BTEX	<0.300	0.300	08/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.0	% 71.5-13	4						
Chloride, SM4500Cl-B	B mg/kg		Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/21/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2025	ND	227	114	200	3.13	
DRO >C10-C28*	16.9	10.0	08/20/2025	ND	231	115	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	08/20/2025	ND					
Surrogate: 1-Chlorooctane	92.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	92.3	% 40.6-15	3						

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Analytical Results For:

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

Received: 08/20/2025 Reported: 08/22/2025

CYPHER 36 STATE COM 1

Project Name: CYPH Project Number: 2800

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/19/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 3 (5.0') (H255183-06)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.4	2.00	1.31	
Toluene*	<0.050	0.050	08/21/2025	ND	1.89	94.4	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	1.89	94.3	2.00	1.48	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.58	93.1	6.00	1.64	
Total BTEX	<0.300	0.300	08/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/21/2025	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	08/20/2025	ND	227	114	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/20/2025	ND	231	115	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	08/20/2025	ND					
Surrogate: 1-Chlorooctane	98.2	% 44.4-14	25						
Surrogate: 1-Chlorooctadecane	94.6	% 40.6-15	3						

Applyzod By: 14

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Analytical Results For:

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

Received: 08/20/2025 Reported: 08/22/2025

CYPHER 36 STATE COM 1

Project Number: 2800

Project Name:

BTEX 8021B

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/19/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 4 (5.0') (H255183-07)

DIEX GOZID	11197	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.4	2.00	1.31	
Toluene*	<0.050	0.050	08/21/2025	ND	1.89	94.4	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	1.89	94.3	2.00	1.48	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.58	93.1	6.00	1.64	
Total BTEX	<0.300	0.300	08/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/21/2025	ND	432	108	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2025	ND	209	105	200	2.01	
DRO >C10-C28*	<10.0	10.0	08/20/2025	ND	201	101	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	08/20/2025	ND					
Surrogate: 1-Chlorooctane	93.2	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	99.9	% 40.6-15	3						

Analyzed By: JH

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Analytical Results For:

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

Received: 08/20/2025 Reported: 08/22/2025

Project Name: CYPHER 36 STATE COM 1

Project Number: 2800

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/19/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 5 (5.0') (H255183-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.4	2.00	1.31	
Toluene*	<0.050	0.050	08/21/2025	ND	1.89	94.4	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	1.89	94.3	2.00	1.48	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.58	93.1	6.00	1.64	
Total BTEX	<0.300	0.300	08/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/21/2025	ND	432	108	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2025	ND	209	105	200	2.01	
DRO >C10-C28*	<10.0	10.0	08/20/2025	ND	201	101	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	08/20/2025	ND					
Surrogate: 1-Chlorooctane	100	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	105	% 40.6-15	3						

Applyzod By: 14

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Analytical Results For:

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

Received: 08/20/2025 Reported: 08/22/2025

CYPHER 36 STATE COM 1

Project Name: CYPH Project Number: 2800

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/19/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 6 (12.0') (H255183-09)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.4	2.00	1.31	
Toluene*	<0.050	0.050	08/21/2025	ND	1.89	94.4	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	1.89	94.3	2.00	1.48	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.58	93.1	6.00	1.64	
Total BTEX	<0.300	0.300	08/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/21/2025	ND	432	108	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2025	ND	209	105	200	2.01	
DRO >C10-C28*	<10.0	10.0	08/20/2025	ND	201	101	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	08/20/2025	ND					
Surrogate: 1-Chlorooctane	93.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	99.4	% 40.6-15	3						

Applyzod By: 14

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Analytical Results For:

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

Received: 08/20/2025 Reported: 08/22/2025

CYPHER 36 STATE COM 1

Project Name: Project Number: 2800

Project Location: CIMAREX - EDDY CO NM Sampling Date: 08/19/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 7 (8.0') (H255183-10)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.4	2.00	1.31	
Toluene*	<0.050	0.050	08/21/2025	ND	1.89	94.4	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	1.89	94.3	2.00	1.48	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.58	93.1	6.00	1.64	
Total BTEX	<0.300	0.300	08/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/21/2025	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2025	ND	209	105	200	2.01	
DRO >C10-C28*	<10.0	10.0	08/20/2025	ND	201	101	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	08/20/2025	ND					
Surrogate: 1-Chlorooctane	98.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	105 9	% 40.6-15	3						

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Analytical Results For:

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

Received: 08/20/2025 Reported: 08/22/2025

Project Name: CYPHER 36 STATE COM 1

Project Number: 2800

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/19/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 8 (8.0') (H255183-11)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.4	2.00	1.31	
Toluene*	<0.050	0.050	08/21/2025	ND	1.89	94.4	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	1.89	94.3	2.00	1.48	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.58	93.1	6.00	1.64	
Total BTEX	<0.300	0.300	08/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.2	% 71.5-13	4						
Chloride, SM4500CI-B	oride, SM4500CI-B mg/kg		Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/21/2025	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2025	ND	209	105	200	2.01	
DRO >C10-C28*	<10.0	10.0	08/20/2025	ND	201	101	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	08/20/2025	ND					
Surrogate: 1-Chlorooctane	95.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	101	% 40.6-15	3						

Applyzod By: 14

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Celey D. Keine



Analytical Results For:

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

Received: 08/20/2025 Reported: 08/22/2025

CYPHER 36 STATE COM 1

Project Name: Project Number: 2800

Project Location: CIMAREX - EDDY CO NM Sampling Date: 08/19/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 9 (8.0') (H255183-12)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.4	2.00	1.31	
Toluene*	<0.050	0.050	08/21/2025	ND	1.89	94.4	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	1.89	94.3	2.00	1.48	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.58	93.1	6.00	1.64	
Total BTEX	<0.300	0.300	08/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/21/2025	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2025	ND	209	105	200	2.01	
DRO >C10-C28*	<10.0	10.0	08/20/2025	ND	201	101	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	08/20/2025	ND					
Surrogate: 1-Chlorooctane	106 %	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	115 %	6 40.6-15	3						

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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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Renn!	Comments:	CS-7 (8.0')	CS-6 (12.0')	CS-5 (5.0')	CS-4 (5.0')	CS-3 (5.0')	CS-2 (5.0')	CS-1 (5.0')	SW-7 (12.0')	SW-6 (12.0'	SW-5 (12.0')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#:	Sampler's Name:	Project Location	Project Nuraber:	Project Name:	Phone: . 432-	City, State ZIP: Midla	Address: 310	Company Name: Carr	Project Manager: Asht		4			
Relin		8/	8/	8/	8/	8/	8/	. 8/		8/				Yes No		es	Temp Blank:			Edd		Cypher 3	432-813-8988	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Ashton Thielke					
Relinquished by: (Signature)		8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	8/19/2025	Date	Co	MA Te		No	ank:		JDC	Eddy Co, NM	2800	Cypher 36 State Com 1			500	S						
(Signature)												Time	Corrected Temperature:	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes No.					11							,		*	
		×	×	×	×	×	×	×	×	×	×	Soil	erature:	ading:	ה		Wet Ice:			Due Date:	Routine	Turn.	Email:						,			
	,	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Co	Comp	Co	Water Comp	14.4°	1.1	+0.3°C	#140	Yes Ne		J.	48 Hours	✓ Rush	Turn Around	laci.luig@coterra.com & ashton.thielke@coterra.co	City, State ZIP:	Address:	Company Name	Bill to: (if different)					
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			٠.									"	NaOH	Zn Ac	Na ₂ S ₂	NaHS	H₃PO₄; HP	H ₂ S0 ₄ : H ₂	HCL: HC	Cool: Cool	None: NO		ADaPT	□ST/UST		rownfields	Work Order Comments	P		0:		
								٠				ample	+Ascorbi	Zn Acetate+NaOH: Zn	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSO ₄ : NABIS	HP	H ₂	ਨ	00	NO	reserva	Other:	RRP		RC	ents	Page1		125		
Date/Time												Sample Comments	NaOH+Ascorbic Acid: SAPC	OH: Zn) ₃	S		NaOH: Na	HNO ₃ : HN	MeOH: Me	DI Water: H ₂ O	Preservative Codes		Level IV [perfund		1 of	age'	15 of	16	

Page 16 of 16



August 27, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CYPHER 36 STATE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 08/21/25 16:14.

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/ga/lab accredited certif.html.

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

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

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

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

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS-10 (8.0')	H255239-01	Soil	21-Aug-25 00:00	21-Aug-25 16:14
CS-11 (8.0')	H255239-02	Soil	21-Aug-25 00:00	21-Aug-25 16:14
CS-12 (18')	H255239-03	Soil	21-Aug-25 00:00	21-Aug-25 16:14
CS-13 (18')	H255239-04	Soil	21-Aug-25 00:00	21-Aug-25 16:14
CS-14 (12')	H255239-05	Soil	21-Aug-25 00:00	21-Aug-25 16:14
CS-15 (12)	H255239-06	Soil	21-Aug-25 00:00	21-Aug-25 16:14
CS-16 (12')	H255239-07	Soil	21-Aug-25 00:00	21-Aug-25 16:14
CS-17 (12')	H255239-08	Soil	21-Aug-25 00:00	21-Aug-25 16:14
CS-18 (8.0')	H255239-09	Soil	21-Aug-25 00:00	21-Aug-25 16:14
CS-19 (12')	H255239-10	Soil	21-Aug-25 00:00	21-Aug-25 16:14
CS-20 (18')	H255239-11	Soil	21-Aug-25 00:00	21-Aug-25 16:14
SW - 8 (5.0'-12')	H255239-12	Soil	21-Aug-25 00:00	21-Aug-25 16:14
SW - 9 (5.0'-12')	H255239-13	Soil	21-Aug-25 00:00	21-Aug-25 16:14
SW - 10 (12')	H255239-14	Soil	21-Aug-25 00:00	21-Aug-25 16:14
SW -11 (12'-18')	H255239-15	Soil	21-Aug-25 00:00	21-Aug-25 16:14
SW - 12 (8'-12')	H255239-16	Soil	21-Aug-25 00:00	21-Aug-25 16:14
SW - 13 (8.0')	H255239-17	Soil	21-Aug-25 00:00	21-Aug-25 16:14
SW - 14 (8.0')	H255239-18	Soil	21-Aug-25 00:00	21-Aug-25 16:14
SW - 15 (8.0')	H255239-19	Soil	21-Aug-25 00:00	21-Aug-25 16:14
SW - 16 (8.0')	H255239-20	Soil	21-Aug-25 00:00	21-Aug-25 16:14
SW - 17 (8.0')	H255239-21	Soil	21-Aug-25 00:00	21-Aug-25 16:14

08/27/25 - Client changed the sample ID on -10 and -16 (see COC). This is the revised report and will replace the one sent on 08/25/25.

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Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

CS-10 (8.0') H255239-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	5082502	KH	25-Aug-25	4500-Cl-B	
Volatile Organic Compounds by	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	ЈН	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	ЈН	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.1 %	71.5	-134	5082201	ЈН	22-Aug-25	8021B	
Petroleum Hydrocarbons by Go	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			88.5 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			90.2 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

CS-11 (8.0') H255239-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds I	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	1		98.5 %	71.5	-134	5082201	ЈН	22-Aug-25	8021B	
Petroleum Hydrocarbons by C	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			101 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			97.5 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

CS-12 (18') H255239-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	5082234	НМ	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		99.5 %	71.5	-134	5082201	ЈН	22-Aug-25	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			93.3 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			90.8 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Celey D. Keene



Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

CS-13 (18') H255239-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	464		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (F	PID)		97.8 %	71.5	-134	5082201	JH	22-Aug-25	8021B	
Petroleum Hydrocarbons by	y GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			103 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			100 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Celeg D. Keene



Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

CS-14 (12') H255239-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		99.1 %	71.5	-134	5082201	ЈН	22-Aug-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			80.4 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			77.6 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Celey D. Keene



Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

CS-15 (12) H255239-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PI.	D)		98.4 %	71.5	-134	5082201	JH	22-Aug-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			86.2 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			82.8 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

CS-16 (12') H255239-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		99.9 %	71.5	-134	5082201	JH	22-Aug-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			88.7 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			85.1 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

CS-17 (12') H255239-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		100 %	71.5	-134	5082201	JH	22-Aug-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			97.1 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			94.6 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

CS-18 (8.0') H255239-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	480		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		98.4 %	71.5	-134	5082201	ЈН	22-Aug-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			91.9 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			89.2 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

CS-19 (12') H255239-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		·	97.7 %	71.5	-134	5082201	JH	22-Aug-25	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			91.4 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			88.5 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Celeg D. Keene



Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

CS-20 (18') H255239-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		99.1 %	71.5	-134	5082201	ЈН	22-Aug-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			99.6 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			99.6 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

SW - 8 (5.0'-12') H255239-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		98.7 %	71.5	-134	5082201	ЈН	22-Aug-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			106 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			103 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Celeg D. Keene



Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

SW - 9 (5.0'-12') H255239-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.6 %	71.5	-134	5082201	ЈН	22-Aug-25	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	12.3		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			89.1 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			86.6 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

SW - 10 (12') H255239-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		99.6 %	71.5	-134	5082201	ЈН	22-Aug-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			91.3 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			88.9 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Celeg D. Keene



Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

SW -11 (12'-18') H255239-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds h	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	1		99.4 %	71.5	-134	5082201	ЈН	22-Aug-25	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			99.2 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			98.9 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

SW - 12 (8'-12') H255239-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	5082234	НМ	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		100 %	71.5	-134	5082201	JH	22-Aug-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			98.5 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			95.7 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

SW - 13 (8.0') H255239-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	5082234	НМ	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	ЈН	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		98.8 %	71.5	-134	5082201	JH	22-Aug-25	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0	·	10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	·
DRO >C10-C28*	13.9		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			94.9 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			93.7 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

SW - 14 (8.0') H255239-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds by 1	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JН	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.3 %	71.5	-134	5082201	ЈН	22-Aug-25	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			91.8 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			90.6 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

SW - 15 (8.0') H255239-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	5082234	НМ	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds by E	PA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	23-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	23-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JН	23-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	23-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	23-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.8 %	71.5	-134	5082201	ЈН	23-Aug-25	8021B	
Petroleum Hydrocarbons by GC I	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			91.6 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			89.3 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Celey D. Keene



Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

SW - 16 (8.0') H255239-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	272		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082201	JH	23-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082201	JH	23-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082201	JH	23-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082201	JH	23-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082201	JH	23-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		99.9 %	71.5	-134	5082201	ЈН	23-Aug-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
DRO >C10-C28*	14.2		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			106 %	44.4	-145	5082212	MS	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			103 %	40.6	-153	5082212	MS	22-Aug-25	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

SW - 17 (8.0') H255239-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Labora	tories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	5082234	HM	22-Aug-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5082202	JH	22-Aug-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5082202	JH	22-Aug-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5082202	JH	22-Aug-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5082202	JH	22-Aug-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5082202	JH	22-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		112 %	71.5	i-134	5082202	JH	22-Aug-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5082213	ms	22-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5082213	ms	22-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5082213	ms	22-Aug-25	8015B	
Surrogate: 1-Chlorooctane			72.6 %	44.4	!-145	5082213	ms	22-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			73.7 %	40.6	5-153	5082213	ms	22-Aug-25	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Fax To:

Reported: 27-Aug-25 11:54

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5082234 - 1:4 DI Water										
Blank (5082234-BLK1)				Prepared &	Analyzed:	22-Aug-25				
Chloride	ND	16.0	mg/kg							
LCS (5082234-BS1)				Prepared &	Analyzed:	22-Aug-25				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (5082234-BSD1)				Prepared &	Analyzed:	22-Aug-25				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 5082502 - 1:4 DI Water										
Blank (5082502-BLK1)				Prepared &	Analyzed:	25-Aug-25				
Chloride	ND	16.0	mg/kg							
LCS (5082502-BS1)				Prepared &	: Analyzed:	25-Aug-25				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (5082502-BSD1)				Prepared &	Analyzed:	25-Aug-25				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

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%REC

Limits

RPD

Analytical Results For:

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

Analyte

Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Spike

Level

Source

Result

%REC

Fax To:

Reported: 27-Aug-25 11:54

RPD

Limit

Notes

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

Blank (5082201-BLK1)				Prepared & Analy	zed: 22-Aug-2	5			
Benzene	ND	0.050	mg/kg						
Toluene	ND	0.050	mg/kg						
Ethylbenzene	ND	0.050	mg/kg						
Total Xylenes	ND	0.150	mg/kg						
Total BTEX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	0.0502		mg/kg	0.0500	100	71.5-134			
LCS (5082201-BS1)				Prepared & Analy	zed: 22-Aug-2	5			
Benzene	1.53	0.050	mg/kg	2.00	76.5	76.3-129			
Toluene	1.65	0.050	mg/kg	2.00	82.3	84.1-129			BS-3
Ethylbenzene	1.69	0.050	mg/kg	2.00	84.4	80.1-133			
m,p-Xylene	3.44	0.100	mg/kg	4.00	86.0	81.4-134			
o-Xylene	1.71	0.050	mg/kg	2.00	85.3	81.4-133			
Total Xylenes	5.14	0.150	mg/kg	6.00	85.7	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	0.0477		mg/kg	0.0500	95.3	71.5-134			
LCS Dup (5082201-BSD1)				Prepared & Analy	zed: 22-Aug-2	5			
Benzene	1.70	0.050	mg/kg	2.00	84.9	76.3-129	10.4	15.8	
Toluene	1.78	0.050	mg/kg	2.00	89.2	84.1-129	8.05	15.9	
Ethylbenzene	1.83	0.050	mg/kg	2.00	91.5	80.1-133	8.07	16	
m,p-Xylene	3.73	0.100	mg/kg	4.00	93.3	81.4-134	8.22	16.2	
o-Xylene	1.86	0.050	mg/kg	2.00	92.9	81.4-133	8.51	16.7	
Total Xylenes	5.59	0.150	mg/kg	6.00	93.2	81.5-134	8.31	16.3	

Batch 5082202 - Volatiles

Blank (5082202-BLK1)		Prepared & Analyzed: 22-Aug-25	
Benzene	ND	0.050 mg/kg	
Toluene	ND	0.050 mg/kg	
Ethylbenzene	ND	0.050 mg/kg	
Total Xylenes	ND	0.150 mg/kg	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



%REC

Analytical Results For:

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

Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Spike

Source

Fax To:

Reported: 27-Aug-25 11:54

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5082202 - Volatiles										
Blank (5082202-BLK1)				Prepared &	Analyzed:	22-Aug-25	5			
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0544		mg/kg	0.0500		109	71.5-134			
LCS (5082202-BS1)				Prepared &	Analyzed:	22-Aug-25	5			
Benzene	1.61	0.050	mg/kg	2.00		80.3	76.3-129			
Toluene	1.80	0.050	mg/kg	2.00		90.0	84.1-129			
Ethylbenzene	1.86	0.050	mg/kg	2.00		93.1	80.1-133			
m,p-Xylene	3.87	0.100	mg/kg	4.00		96.7	81.4-134			
o-Xylene	1.94	0.050	mg/kg	2.00		97.0	81.4-133			
Total Xylenes	5.81	0.150	mg/kg	6.00		96.8	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	71.5-134			
LCS Dup (5082202-BSD1)				Prepared &	Analyzed:	22-Aug-25	5			
Benzene	1.60	0.050	mg/kg	2.00		79.9	76.3-129	0.485	15.8	
Toluene	1.76	0.050	mg/kg	2.00		87.9	84.1-129	2.38	15.9	
Ethylbenzene	1.74	0.050	mg/kg	2.00		87.0	80.1-133	6.76	16	
m,p-Xylene	3.61	0.100	mg/kg	4.00		90.2	81.4-134	6.98	16.2	
o-Xylene	1.80	0.050	mg/kg	2.00		89.8	81.4-133	7.75	16.7	
Total Xylenes	5.40	0.150	mg/kg	6.00		90.0	81.5-134	7.24	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0475		mg/kg	0.0500		95.1	71.5-134			

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Celey D. Keene



%REC

Limits

RPD

Analytical Results For:

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

Analyte

Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Spike

Level

Source

Result

%REC

102

40.6-153

Fax To:

Reported: 27-Aug-25 11:54

RPD

Limit

Notes

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

51.0

Blank (5082212-BLK1)				Prepared & Ana	lyzed: 22-Aug-25	5			
GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	47.4		mg/kg	50.0	94.9	44.4-145			
Surrogate: 1-Chlorooctadecane	46.7		mg/kg	50.0	93.5	40.6-153			
LCS (5082212-BS1)				Prepared & Ana	lyzed: 22-Aug-25	5			
GRO C6-C10	192	10.0	mg/kg	200	95.9	81.5-123			
DRO >C10-C28	214	10.0	mg/kg	200	107	77.7-122			
Total TPH C6-C28	406	10.0	mg/kg	400	101	80.9-121			
Surrogate: 1-Chlorooctane	55.6		mg/kg	50.0	111	44.4-145			
Surrogate: 1-Chlorooctadecane	55.7		mg/kg	50.0	111	40.6-153			
LCS Dup (5082212-BSD1)				Prepared & Ana	lyzed: 22-Aug-25	5			
GRO C6-C10	194	10.0	mg/kg	200	96.8	81.5-123	0.900	13	
DRO >C10-C28	213	10.0	mg/kg	200	106	77.7-122	0.465	15.6	
Total TPH C6-C28	406	10.0	mg/kg	400	102	80.9-121	0.182	18.5	
Surrogate: 1-Chlorooctane	55.8		mg/kg	50.0	112	44.4-145			

Batch 5082213 - General Prep - Organics

Surrogate: 1-Chlorooctadecane

Blank (5082213-BLK1)				Prepared & Analy	yzed: 22-Aug-25		
GRO C6-C10	ND	10.0	mg/kg				
DRO >C10-C28	ND	10.0	mg/kg				
EXT DRO >C28-C36	ND	10.0	mg/kg				
Surrogate: 1-Chlorooctane	48.1		mg/kg	50.0	96.2	44.4-145	
Surrogate: 1-Chlorooctadecane	49.2		mg/kg	50.0	98.5	40.6-153	

mg/kg

50.0

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Celey D. Keine



%REC

Analytical Results For:

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Project: CYPHER 36 STATE COM 1

Project Number: 2800

Project Manager: ASHTON THIELKE

Spike

Source

Fax To:

Reported: 27-Aug-25 11:54

RPD

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5082213 - General Prep - Organics										
LCS (5082213-BS1)				Prepared &	& Analyzed:	22-Aug-25	5			
GRO C6-C10	206	10.0	mg/kg	200		103	81.5-123			
DRO >C10-C28	183	10.0	mg/kg	200		91.5	77.7-122			
Total TPH C6-C28	389	10.0	mg/kg	400		97.1	80.9-121			
Surrogate: 1-Chlorooctane	55.9		mg/kg	50.0		112	44.4-145			
Surrogate: 1-Chlorooctadecane	58.0		mg/kg	50.0		116	40.6-153			
LCS Dup (5082213-BSD1)				Prepared &	& Analyzed:	22-Aug-25	5			
GRO C6-C10	209	10.0	mg/kg	200		104	81.5-123	1.56	13	
DRO >C10-C28	184	10.0	mg/kg	200		92.2	77.7-122	0.802	15.6	
Total TPH C6-C28	393	10.0	mg/kg	400		98.3	80.9-121	1.21	18.5	
Surrogate: 1-Chlorooctane	50.8		mg/kg	50.0		102	44.4-145			
Surrogate: 1-Chlorooctadecane	52.2		mg/kg	50.0		104	40.6-153			

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Notes and Definitions

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

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HNO3: HN MeOH: Me DI Water: H₂O

Level IV

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Page 32 of 32

NaOH: Na

Date/Time



August 26, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CYPHER 36 STATE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 08/22/25 13:46.

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 accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 08/22/2025 Reported: 08/26/2025

CYPHER 36 STATE COM 1

Project Number: 2800

Project Name:

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 21 (8.0') (H255257-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2025	ND	1.55	77.5	2.00	1.08	
Toluene*	<0.050	0.050	08/25/2025	ND	1.78	89.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	08/25/2025	ND	1.85	92.3	2.00	4.88	
Total Xylenes*	<0.150	0.150	08/25/2025	ND	5.85	97.5	6.00	6.92	
Total BTEX	<0.300	0.300	08/25/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/25/2025	ND	432	108	400	3.86	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2025	ND	200	100	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/23/2025	ND	184	91.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/23/2025	ND					
Surrogate: 1-Chlorooctane	112	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	116	% 40.6-15	3						

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Analytical Results For:

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

Received: 08/22/2025 Reported: 08/26/2025

Project Name: CYPHER 36 STATE COM 1

Project Number: 2800

Project Location: CIMAREX - EDDY CO NM Sampling Date: 08/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 22 (8.0') (H255257-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2025	ND	1.55	77.5	2.00	1.08	
Toluene*	<0.050	0.050	08/25/2025	ND	1.78	89.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	08/25/2025	ND	1.85	92.3	2.00	4.88	
Total Xylenes*	<0.150	0.150	08/25/2025	ND	5.85	97.5	6.00	6.92	
Total BTEX	<0.300	0.300	08/25/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/25/2025	ND	432	108	400	3.86	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2025	ND	200	100	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/23/2025	ND	184	91.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/23/2025	ND					
Surrogate: 1-Chlorooctane	107 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	110 9	6 40.6-15	3						

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Analytical Results For:

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

Received: 08/22/2025 Reported: 08/26/2025

CYPHER 36 STATE COM 1

Project Name: Project Number: 2800

Project Location: CIMAREX - EDDY CO NM Sampling Date: 08/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 23 (8.0') (H255257-03)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2025	ND	1.55	77.5	2.00	1.08	
Toluene*	<0.050	0.050	08/25/2025	ND	1.78	89.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	08/25/2025	ND	1.85	92.3	2.00	4.88	
Total Xylenes*	<0.150	0.150	08/25/2025	ND	5.85	97.5	6.00	6.92	
Total BTEX	<0.300	0.300	08/25/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
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	08/25/2025	ND	432	108	400	3.86	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2025	ND	200	100	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/23/2025	ND	184	91.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/23/2025	ND					
Surrogate: 1-Chlorooctane	110 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	113 9	% 40.6-15	3						

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Analytical Results For:

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

Received: 08/22/2025 Reported: 08/26/2025

Project Name: CYPHER 36 STATE COM 1

Project Number: 2800

Project Location: CIMAREX - EDDY CO NM Sampling Date: 08/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW - 18 (8.0') (H255257-04)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2025	ND	1.55	77.5	2.00	1.08	
Toluene*	<0.050	0.050	08/25/2025	ND	1.78	89.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	08/25/2025	ND	1.85	92.3	2.00	4.88	
Total Xylenes*	<0.150	0.150	08/25/2025	ND	5.85	97.5	6.00	6.92	
Total BTEX	<0.300	0.300	08/25/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/25/2025	ND	432	108	400	3.86	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2025	ND	200	100	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/23/2025	ND	184	91.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/23/2025	ND					
Surrogate: 1-Chlorooctane	93.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	97.1	% 40.6-15	3						

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Analytical Results For:

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

Received: 08/22/2025 Reported: 08/26/2025

CYPHER 36 STATE COM 1

Project Number: 2800

Project Name:

RTFY 8021R

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 19 (8.0') (H255257-05)

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2025	ND	1.55	77.5	2.00	1.08	
Toluene*	<0.050	0.050	08/25/2025	ND	1.78	89.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	08/25/2025	ND	1.85	92.3	2.00	4.88	
Total Xylenes*	<0.150	0.150	08/25/2025	ND	5.85	97.5	6.00	6.92	
Total BTEX	<0.300	0.300	08/25/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/25/2025	ND	432	108	400	3.86	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2025	ND	200	100	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/23/2025	ND	184	91.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/23/2025	ND					
Surrogate: 1-Chlorooctane	92.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	95.6	% 40.6-15	3						

Applyzod By: 14

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Analytical Results For:

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

Received: 08/22/2025 Reported: 08/26/2025

Project Name: CYPHER 36 STATE COM 1

Project Number: 2800

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 20 (8.0') (H255257-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2025	ND	1.55	77.5	2.00	1.08	
Toluene*	<0.050	0.050	08/25/2025	ND	1.78	89.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	08/25/2025	ND	1.85	92.3	2.00	4.88	
Total Xylenes*	<0.150	0.150	08/25/2025	ND	5.85	97.5	6.00	6.92	
Total BTEX	<0.300	0.300	08/25/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/25/2025	ND	432	108	400	3.86	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2025	ND	200	100	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/23/2025	ND	184	91.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/23/2025	ND					
Surrogate: 1-Chlorooctane	94.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	95.4	% 40.6-15	3						

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Analytical Results For:

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

Received: 08/22/2025 Reported: 08/26/2025

CYPHER 36 STATE COM 1

Project Name: CYPH Project Number: 2800

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 21 (8-18') (H255257-07)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2025	ND	1.55	77.5	2.00	1.08	
Toluene*	<0.050	0.050	08/25/2025	ND	1.78	89.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	08/25/2025	ND	1.85	92.3	2.00	4.88	
Total Xylenes*	<0.150	0.150	08/25/2025	ND	5.85	97.5	6.00	6.92	
Total BTEX	<0.300	0.300	08/25/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/25/2025	ND	432	108	400	3.86	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2025	ND	200	100	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/23/2025	ND	184	91.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/23/2025	ND					
Surrogate: 1-Chlorooctane	93.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	99.0	% 40.6-15	3						

Applyzod By: 14

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Analytical Results For:

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

Received: 08/22/2025 Reported: 08/26/2025

Project Name: CYPHER 36 STATE COM 1

Project Number: 2800

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 22 (8-18') (H255257-08)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.050 <0.150	0.050 0.050 0.050 0.050	Analyzed 08/25/2025 08/25/2025 08/25/2025	Method Blank ND ND	BS 1.55 1.78	% Recovery 77.5 89.2	True Value QC 2.00	RPD 1.08	Qualifier
<0.050 <0.050 <0.150	0.050 0.050	08/25/2025					1.08	
<0.050 <0.150	0.050		ND	1.78	90.2	2.00		
<0.150		08/25/2025			09.2	2.00	4.02	
	0.150		ND	1.85	92.3	2.00	4.88	
<0.200	0.130	08/25/2025	ND	5.85	97.5	6.00	6.92	
<0.300	0.300	08/25/2025	ND					
111 9	% 71.5-13	4						
mg,	/kg	Analyze	ed By: KH					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
160	16.0	08/25/2025	ND	432	108	400	3.86	
mg,	'kg	Analyze	ed By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	08/23/2025	ND	200	100	200	3.34	
<10.0	10.0	08/23/2025	ND	184	91.8	200	2.83	
<10.0	10.0	08/23/2025	ND					
107	% 44.4-14	5						
110 9	% 40.6-15.	3						
	<0.300 111 9 mg/ Result 160 mg/ Result <10.0 <10.0 <10.0	<0.300 111 % 71.5-13 mg/ky Result Reporting Limit 160 16.0 mg/ky Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 10.0 10.7 % 44.4-14	<0.300 0.300 08/25/2025 111 % 71.5-134 Analyzed Result Reporting Limit Analyzed Result Reporting Limit Analyzed < 10.0	<0.300 08/25/2025 ND 111 % 71.5-134 Mreflow Blank Result Reporting Limit 16.0 08/25/2025 ND Method Blank Result Reporting Limit Analyzed Method Blank <10.0	<0.300 08/25/2025 ND 111 % 71.5-134 mg/ky Analyzed By: KH Result Reporting Limit Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	< 0.300 08/25/2025 ND 111 % 71.5-134 Try	< 0.300 08/25/2025 ND 1/11 % 71.5-134 mg/kg Analyzed By: KH Result Reporting Limit Analyzed By: MS % Recovery True Value QC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	< 0.300 08/25/2025 ND 111

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Analytical Results For:

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

Received: 08/22/2025 Reported: 08/26/2025

CYPHER 36 STATE COM 1

Project Name: CYPH Project Number: 2800

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 23 (8-18') (H255257-09)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2025	ND	1.55	77.5	2.00	1.08	
Toluene*	<0.050	0.050	08/25/2025	ND	1.78	89.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	08/25/2025	ND	1.85	92.3	2.00	4.88	
Total Xylenes*	<0.150	0.150	08/25/2025	ND	5.85	97.5	6.00	6.92	
Total BTEX	<0.300	0.300	08/25/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/25/2025	ND	432	108	400	3.86	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2025	ND	200	100	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/23/2025	ND	184	91.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/23/2025	ND					
Surrogate: 1-Chlorooctane	92.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	92.5	% 40.6-15	3						

Applyzod By: 14

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Celey D. Keine



Analytical Results For:

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

Received: 08/22/2025 Reported: 08/26/2025

CYPHER 36 STATE COM 1

Project Name: CYPH Project Number: 2800

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 24 (8-18') (H255257-10)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2025	ND	1.55	77.5	2.00	1.08	
Toluene*	<0.050	0.050	08/25/2025	ND	1.78	89.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	08/25/2025	ND	1.85	92.3	2.00	4.88	
Total Xylenes*	<0.150	0.150	08/25/2025	ND	5.85	97.5	6.00	6.92	
Total BTEX	<0.300	0.300	08/25/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/25/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2025	ND	200	100	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/23/2025	ND	184	91.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/23/2025	ND					
Surrogate: 1-Chlorooctane	117	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	120	% 40.6-15	3						

Applyzod By: 14

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Analytical Results For:

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

Received: 08/22/2025 Reported: 08/26/2025

Project Name: CYPHER 36 STATE COM 1

Project Number: 2800

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 25 (18') (H255257-11)

BTEX 8021B

DIEX GOZID	ıııg,	ng .	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2025	ND	1.55	77.5	2.00	1.08	
Toluene*	<0.050	0.050	08/25/2025	ND	1.78	89.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	08/25/2025	ND	1.85	92.3	2.00	4.88	
Total Xylenes*	<0.150	0.150	08/25/2025	ND	5.85	97.5	6.00	6.92	
Total BTEX	<0.300	0.300	08/25/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/25/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2025	ND	218	109	200	1.29	
DRO >C10-C28*	<10.0	10.0	08/23/2025	ND	203	101	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	08/23/2025	ND					
Surrogate: 1-Chlorooctane	98.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	93.5	% 40.6-15	3						

Analyzed By: JH

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Analytical Results For:

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

Received: 08/22/2025 Reported: 08/26/2025

Project Name: CYPHER 36 STATE COM 1

Project Number: 2800

Project Location: CIMAREX - EDDY CO NM Sampling Date: 08/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW - 26 (18') (H255257-12)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2025	ND	1.55	77.5	2.00	1.08	
Toluene*	<0.050	0.050	08/25/2025	ND	1.78	89.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	08/25/2025	ND	1.85	92.3	2.00	4.88	
Total Xylenes*	<0.150	0.150	08/25/2025	ND	5.85	97.5	6.00	6.92	
Total BTEX	<0.300	0.300	08/25/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/25/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2025	ND	218	109	200	1.29	
DRO >C10-C28*	<10.0	10.0	08/23/2025	ND	203	101	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	08/23/2025	ND					
Surrogate: 1-Chlorooctane	95.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	91.9	% 40.6-15	3						

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Analytical Results For:

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

Received: 08/22/2025 Reported: 08/26/2025

CYPHER 36 STATE COM 1

Project Number: 2800

Project Name:

RTFY 8021R

Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 27 (18') (H255257-13)

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2025	ND	1.55	77.5	2.00	1.08	
Toluene*	<0.050	0.050	08/25/2025	ND	1.78	89.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	08/25/2025	ND	1.85	92.3	2.00	4.88	
Total Xylenes*	<0.150	0.150	08/25/2025	ND	5.85	97.5	6.00	6.92	
Total BTEX	<0.300	0.300	08/25/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/25/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2025	ND	218	109	200	1.29	
DRO >C10-C28*	<10.0	10.0	08/23/2025	ND	203	101	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	08/23/2025	ND					
Surrogate: 1-Chlorooctane	101	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	95.1	% 40.6-15	3						

Applyzod By: 14

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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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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/26/2025 3:38:20 PM

JOB DESCRIPTION

CYPHER 36 STATE COM 1 2800

JOB NUMBER

890-8723-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization

Generated 8/26/2025 3:38:20 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of

Client: Carmona Resources Project/Site: CYPHER 36 STATE COM 1 Laboratory Job ID: 890-8723-1

SDG: 2800

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Definitions/Glossary

Job ID: 890-8723-1 Client: Carmona Resources Project/Site: CYPHER 36 STATE COM 1

SDG: 2800

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

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 Colony Forming Unit CFU **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) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

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

Toxicity Equivalent Factor (Dioxin) TFF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

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Job ID: 890-8723-1

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Case Narrative

Client: Carmona Resources Job ID: 890-8723-1

Project: CYPHER 36 STATE COM 1

Job Narrative 890-8723-1

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

Receipt

The sample was received on 8/25/2025 2:31 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 5.2°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: BACKFILL SAMPLE (890-8723-1).

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

Date Collected: 08/25/25 00:00

Project/Site: CYPHER 36 STATE COM 1

Client Sample ID: BACKFILL SAMPLE

Job ID: 890-8723-1

SDG: 2800

Lab Sample ID: 890-8723-1

Matrix: Solid

Analyte	Organic Comp Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		08/26/25 09:34	08/26/25 13:29	
Toluene	<0.00202	U	0.00202		mg/Kg		08/26/25 09:34	08/26/25 13:29	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/26/25 09:34	08/26/25 13:29	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/26/25 09:34	08/26/25 13:29	
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/26/25 09:34	08/26/25 13:29	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/26/25 09:34	08/26/25 13:29	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	97		70 - 130				08/26/25 09:34	08/26/25 13:29	
1,4-Difluorobenzene (Surr)	97		70 - 130				08/26/25 09:34	08/26/25 13:29	
Markada TAL OCO T. (1977)	Total PTEV Cale	ulation							
Method: TAL SOP Total BTEX - 7	IULAI BIEN CAIL	uiation							
Method: TAL SOP Total BTEX - 1 Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/26/25 13:29	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00404	Qualifier U	0.00404 GC)		mg/Kg			08/26/25 13:29	
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00404 el Range Organ Result	Qualifier U ics (DRO) (Qualifier	0.00404 GC)	MDL	mg/Kg	<u>D</u>	Prepared Prepared	08/26/25 13:29 Analyzed	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00404	Qualifier U ics (DRO) (Qualifier	0.00404 GC)		mg/Kg			08/26/25 13:29	
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00404 el Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	0.00404 GC) RL 49.9		mg/Kg			08/26/25 13:29 Analyzed	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Result <0.00404 el Range Organ Result <49.9 sel Range Orga	Qualifier U ics (DRO) (Qualifier U	0.00404 GC) RL 49.9	MDL	mg/Kg			08/26/25 13:29 Analyzed	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <0.00404 el Range Organ Result <49.9 sel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00404 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	08/26/25 13:29 Analyzed 08/26/25 15:18	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <0.00404 el Range Organ Result <49.9 sel Range Orga Result	Qualifier U ics (DRO) (Compared to the property of the proper	0.00404 GC) RL 49.9 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	08/26/25 13:29 Analyzed 08/26/25 15:18 Analyzed	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	Result <0.00404 el Range Organ Result <49.9 sel Range Orga Result <49.9	Qualifier U ics (DRO) (Compared to the compared to the compar	0.00404 GC) RL 49.9 (GC) RL 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 08/22/25 09:30	08/26/25 13:29 Analyzed 08/26/25 15:18 Analyzed 08/26/25 15:18	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <0.00404 el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9	Qualifier U ics (DRO) (Compared to the compared to the compar	0.00404 GC) RL 49.9 (GC) RL 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 08/22/25 09:30 08/22/25 09:30	08/26/25 13:29 Analyzed 08/26/25 15:18 Analyzed 08/26/25 15:18 08/26/25 15:18	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <0.00404	Qualifier U ics (DRO) (Compared to the compared to the compar	0.00404 RL 49.9 (GC) RL 49.9 49.9 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 08/22/25 09:30 08/22/25 09:30 08/22/25 09:30	08/26/25 13:29 Analyzed 08/26/25 15:18 Analyzed 08/26/25 15:18 08/26/25 15:18	Dil Fa

9.94

mg/Kg

262

08/26/25 10:21

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Chloride

Surrogate Summary

Client: Carmona Resources Job ID: 890-8723-1 Project/Site: CYPHER 36 STATE COM 1

SDG: 2800

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

_				Percent Surrog
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-8722-A-1-H MS	Matrix Spike	103	109	
890-8722-A-1-I MSD	Matrix Spike Duplicate	103	102	
890-8723-1	BACKFILL SAMPLE	97	97	
LCS 880-117553/1-A	Lab Control Sample	110	100	
LCSD 880-117553/2-A	Lab Control Sample Dup	105	100	
MB 880-117553/5-A	Method Blank	101	91	
Surrogate Legend				
BFB = 4-Bromofluorobenzer	ne (Surr)			
DFBZ = 1,4-Difluorobenzene	e (Surr)			

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

Matrix: Solid Prep Type: Total/NA

		1001	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
380-61815-A-1-D MS	Matrix Spike	92	85
880-61815-A-1-E MSD	Matrix Spike Duplicate	75	83
890-8723-1	BACKFILL SAMPLE	81	80
LCS 880-117346/2-A	Lab Control Sample	111	105
LCSD 880-117346/3-A	Lab Control Sample Dup	89	101
MB 880-117346/1-A	Method Blank	91	94

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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QC Sample Results

Client: Carmona Resources

Project/Site: CYPHER 36 STATE COM 1

Job ID: 890-8723-1

SDG: 2800

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-117553/5-A

Lab Sample ID: LCS 880-117553/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 117543

Analysis Batch: 117543

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117553

	MB	мв							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/25 09:34	08/26/25 12:26	
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/25 09:34	08/26/25 12:26	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/25 09:34	08/26/25 12:26	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/25 09:34	08/26/25 12:26	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/25 09:34	08/26/25 12:26	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/25 09:34	08/26/25 12:26	

MB MB

Surrogate	%Recovery	Qualifier	Limits	Pro	epared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/26	6/25 09:34	08/26/25 12:26	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/26	6/25 09:34	08/26/25 12:26	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117553

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09197		mg/Kg		92	70 - 130	
Toluene	0.100	0.08865		mg/Kg		89	70 - 130	
Ethylbenzene	0.100	0.09902		mg/Kg		99	70 - 130	
m-Xylene & p-Xylene	0.200	0.1972		mg/Kg		99	70 - 130	
o-Xylene	0.100	0.09687		mg/Kg		97	70 - 130	
I and the second								

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	110	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: LCSD 880-117553/2-A

Matrix: Solid

Analysis Batch: 117543

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA **Prep Batch: 117553**

%Rec

Analyte	Added	Result	Qualifier Ur	nit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08525	m	g/Kg		85	70 - 130	8	35
Toluene	0.100	0.07626	mç	g/Kg		76	70 - 130	15	35
Ethylbenzene	0.100	0.08507	mę	g/Kg		85	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.1662	m	g/Kg		83	70 - 130	17	35
o-Xylene	0.100	0.08483	mę	g/Kg		85	70 - 130	13	35

Spike

LCSD LCSD

LCSD LCSD

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	105	70 - 130
1.4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: 890-8722-A-1-H MS

Matrix: Solid

Analysis Batch: 117543

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

Prep Batch: 117553

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.08334		mg/Kg		83	70 - 130	
Toluene	<0.00200	U	0.100	0.07975		mg/Kg		80	70 - 130	

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QC Sample Results

Client: Carmona Resources

Project/Site: CYPHER 36 STATE COM 1

Job ID: 890-8723-1

SDG: 2800

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

Lab Sample ID: 890-8722-A-1-H MS

Matrix: Solid

Analysis Batch: 117543

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 117553

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.100	0.09374		mg/Kg		94	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1878		mg/Kg		94	70 - 130	
o-Xylene	<0.00200	U	0.100	0.09122		mg/Kg		91	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 117553

Matrix: Solid Analysis Batch: 117543

Lab Sample ID: 890-8722-A-1-I MSD

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09027		mg/Kg		90	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.08060		mg/Kg		81	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.09135		mg/Kg		91	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1814		mg/Kg		91	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.08904		mg/Kg		89	70 - 130	2	35

MSD MSD

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

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

Lab Sample ID: MB 880-117346/1-A

Matrix: Solid

Analysis Batch: 117571

CI	ient	Samp	le IC): M	lethod	Blank	(

Prep Type: Total/NA

Prep Batch: 117346

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 11:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 11:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 11:20	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	08/22/25 09:30	08/26/25 11:20	1
o-Terphenyl (Surr)	94		70 - 130	08/22/25 09:30	08/26/25 11:20	1

Lab Sample ID: LCS 880-117346/2-A

Analysis Batch: 117571

Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Prep Batch: 117346

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1047		mg/Kg		105	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1061		mg/Kg		106	70 - 130	
C10-C28)								

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Client: Carmona Resources

Project/Site: CYPHER 36 STATE COM 1

Job ID: 890-8723-1

SDG: 2800

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

Lab Sample ID: LCS 880-117346/2-A

Lab Sample ID: LCSD 880-117346/3-A

Lab Sample ID: 880-61815-A-1-D MS

Matrix: Solid

Matrix: Solid

Analysis Batch: 117571

Diesel Range Organics (Over

Analysis Batch: 117571

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117346

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 111 70 - 130 o-Terphenyl (Surr) 105 70 - 130

Client Sample ID: Lab Control Sample Dup

70 - 130

105

Prep Type: Total/NA

Prep Batch: 117346

Analysis Batch: 117571 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 1026 103 70 - 1302 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10

1055

mg/Kg

1000

C10-C28)

Matrix: Solid

LCSD LCSD

Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane (Surr) 89 o-Terphenyl (Surr) 101 70 - 130

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 117346

Sample Sample MS MS Spike Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 999 880.0 mg/Kg 88 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 999 862.0 mg/Kg 83 70 - 130

C10-C28)

MS MS

%Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane (Surr) 92 o-Terphenyl (Surr) 85 70 - 130

Lab Sample ID: 880-61815-A-1-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 117571

Prep Type: Total/NA

Prep Batch: 117346

RPD %Rec

MSD MSD Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit U 999 Gasoline Range Organics <49.9 861.1 86 70 - 130 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 999 893.5 mg/Kg 86 70 - 130 20

C10-C28)

MSD MSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane (Surr) 75 70 - 130 83 70 - 130 o-Terphenyl (Surr)

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20

QC Sample Results

Client: Carmona Resources

<10.0 U

Job ID: 890-8723-1 Project/Site: CYPHER 36 STATE COM 1

SDG: 2800

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-117534/1-A

Matrix: Solid

Analysis Batch: 117544

Analyte

Chloride

Client Sample ID: Method Blank

Prep Type: Soluble

08/26/25 09:40

мв мв MDL Unit Result Qualifier RL D Prepared Analyzed Dil Fac 10.0

mg/Kg

Lab Sample ID: LCS 880-117534/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 117544

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits

Chloride 250 255.7 mg/Kg 102 90 - 110

Lab Sample ID: LCSD 880-117534/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Soluble Analysis Batch: 117544

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 256.1 mg/Kg 102 90 - 110

Lab Sample ID: 890-8722-A-1-B MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Soluble

Analysis Batch: 117544 MS MS Sample Sample Spike %Rec

Analyte Result Qualifier Added %Rec Result Qualifier Unit Limits Chloride 56.8 251 313.8 102 90 - 110 mg/Kg

Lab Sample ID: 890-8722-A-1-C MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 117544

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 251 Chloride 56.8 316.6 mg/Kg 104 90 - 110 20

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QC Association Summary

Client: Carmona Resources

Project/Site: CYPHER 36 STATE COM 1

Job ID: 890-8723-1

SDG: 2800

GC VOA

Analysis Batch: 117543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8723-1	BACKFILL SAMPLE	Total/NA	Solid	8021B	117553
MB 880-117553/5-A	Method Blank	Total/NA	Solid	8021B	117553
LCS 880-117553/1-A	Lab Control Sample	Total/NA	Solid	8021B	117553
LCSD 880-117553/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	117553
890-8722-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	117553
890-8722-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	117553

Prep Batch: 117553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8723-1	BACKFILL SAMPLE	Total/NA	Solid	5035	
MB 880-117553/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-117553/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-117553/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8722-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
890-8722-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 117623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8723-1	BACKFILL SAMPLE	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 117346

Lab Sample ID 890-8723-1	Client Sample ID BACKFILL SAMPLE	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-117346/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117346/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61815-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-61815-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 117571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8723-1	BACKFILL SAMPLE	Total/NA	Solid	8015B NM	117346
MB 880-117346/1-A	Method Blank	Total/NA	Solid	8015B NM	117346
LCS 880-117346/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117346
LCSD 880-117346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117346
880-61815-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	117346
880-61815-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	117346

Analysis Batch: 117646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8723-1	BACKFILL SAMPLE	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 117534

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8723-1	BACKFILL SAMPLE	Soluble	Solid	DI Leach	
MB 880-117534/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-117534/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-117534/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources

Project/Site: CYPHER 36 STATE COM 1

Job ID: 890-8723-1

SDG: 2800

HPLC/IC (Continued)

Leach Batch: 117534 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8722-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-8722-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 117544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8723-1	BACKFILL SAMPLE	Soluble	Solid	300.0	117534
MB 880-117534/1-A	Method Blank	Soluble	Solid	300.0	117534
LCS 880-117534/2-A	Lab Control Sample	Soluble	Solid	300.0	117534
LCSD 880-117534/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	117534
890-8722-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	117534
890-8722-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	117534

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Lab Chronicle

Client: Carmona Resources

Project/Site: CYPHER 36 STATE COM 1

Job ID: 890-8723-1

SDG: 2800

Client Sample ID: BACKFILL SAMPLE

Lab Sample ID: 890-8723-1

Date Collected: 08/25/25 00:00	Matrix: Solid
Date Received: 08/25/25 14:31	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	117553	08/26/25 09:34	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117543	08/26/25 13:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117623	08/26/25 13:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			117646	08/26/25 15:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	117346	08/22/25 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117571	08/26/25 15:18	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	117534	08/25/25 17:37	SMC	EET MID
Soluble	Analysis	300.0		1			117544	08/26/25 10:21	CS	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 890-8723-1 Project/Site: CYPHER 36 STATE COM 1 SDG: 2800

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-26
,	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Carmona Resources

Project/Site: CYPHER 36 STATE COM 1

Job ID: 890-8723-1

SDG: 2800

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

Eurofins Carlsbad

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Sample Summary

Client: Carmona Resources

Project/Site: CYPHER 36 STATE COM 1

Job ID: 890-8723-1

SDG: 2800

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-8723-1	BACKFILL SAMPLE	Solid	08/25/25 00:00	08/25/25 14:31	Texas

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P 15	Ashton Thielke Carmona Resources 310 W Wall St Ste 500	2 5000				SOC Lac	Laci Luig Cimarex Energy	Laci Luig Cimarex Energy 600 N Marienfield St, Suite	600	ן פּ שַ פּ	Wo Program: UST/PST State of Project:	ST Vor	er No:	Page1	of1_
Phone:	432-813-8988			Email:	aci.luig@coterra.com & ashton.thielke@coterra.com	ra.com & ash	shton.thielke@c	@coterra.c	mox	0	Deliverables: EDD	00	Н.		
Project Name:	Cypher	Cypher 36 State Com 1	om 1	Turn	Turn Around					ANALYSIS REQUEST	ST			Preserva	Preservative Codes
Project Number:	n	2800		Routine	√Rush	Pres. Code		+				_ 	N _O	None: NO	DI Water: H ₂ O
Sampler's Name:		JDC				s	+ MRO)						H HC	HCL: HC	HNO ₃ : HN
SAMPLE RECEIPT	Temp Blank:		Yes No	Wet Ice:	(Yes) No	amet		e 300	890-8723 Cha	Chain of Custody	dy			H ₃ PO ₄ : HP	
Cooler Custody Seals:	Yes	NIA	Correction Factor:	DT:	11 6	Pa	+	hlorid		_			Ho	Na _z S _z O ₃ ; NaSO ₃	4
Sample Custody Seals: Total Containers:	S: Yes No.	(NA	Temperature Reading: Corrected Temperature:	erature:	2.2								Zn	Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	Acid: SAPO
Sample Identification	ification	Date	Time	Soil	Water Comp	# of Cont	TPH							Sample (Sample Comments
Backfill Sample		8/25/2025		×	Grab/	1 ×	×	×							
0: 9/3/2025 7:4 Comments:					-										
	Rel	inquished by	Relinquished by: (Signature)			Dat	Date/Time			Receive	Received by: (Signature)	iture)		8/25	Date/Time

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Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199	0	Chain of Custody Record	of Cust	ody R	ecor	<u>a</u>					£30		rootto					53	💸 eurofins Environment Testing
Client Information (Sub Contract Lab)	Sampler: N/A			Lab PM Kramer	M: ter, Jessica	<u>8</u>					z n	Carrier Tracking No(s):	rackir	No.	s):		-	8 8	COC No: 890-5799.1
	Phone: N/A			E-Mail: Jessi		ier@et	euro	insus	.com		٦ <u>۵</u>	State of Origin: Texas	Origin			ĺ		Pag	Page 1 of 1
Company: Eurofins Environment Testing South Centr					Accreditations Required (See note): NELAP - Texas	ons Re	S quired (See no	ite):		ŀ							# dor	Job #: 890-8723-1
Address: 1211 W. Florida Ave,	Due Date Requested: 8/26/2025	ed:						Ana	alvsis	ž.	Requested	este	-					20	Preservation Codes:
City: Midland	TAT Requested (days):	ays): N/A				-	\dashv			_		\dashv	⊢՝	\dashv	\dashv	\dashv			
State, Zip: TX, 79701												_		-			Total Contract		
Phone: 432-704-5440(Tel)	PO#						Ħ	РН	•				-		_		The sale		
Email: N/A	WO #			S. 4				pFull 1	hlorid						-		60 F		
Project Name: CYPHER 36 STATE COM 1	Project #: 88001161				s or f	X		S_Pre	EACH				_	-		_	ainer		
Site: NI/A	N/A				SD (Y			015NM	D/DI_L								of con		Other:
Sample Identification - Client ID (1 sh ID)		Sample		Matrix (W=water, S=solid, O=waste/oil,	erform MS/M	021B/5035FP_0	015MOD_Calc	015MOD_NM/8	00_ORGFM_28								otal Number		
	X	\bigvee	Preservation Code:	tion Code:	X	-						1.0		A) h			V.		
BACKFILL SAMPLE (890-8723-1)	8/25/25	Central	G	Solid		×	×	×	×	-	-	-		+-	+-	+	_	120000	
						++				-			+	+++	+++	++	m legal in	200	
				8-1-							\rightarrow								
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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC.	ronment Testing South Centristed above for analysis/tests/ sited above for analysis/tests/ suth Central, LLC attention im	al, LLC places t /matrix being ar imediately If al	the ownership o nalyzed, the san I requested acc	f method, anal nples must be reditations are	yte & accrushipped ba	editation ack to th date, re	compli e Eurof	ins En	pon ou vironmo d Chai	n subc	ontrac sting S istody	labor outh C	atories entral	. Thi	s sam labora omplia	ple sh itory o	ipmer r othe	it is for	forwarded under chain-of-custody. If the tructions will be provided. Any change Environment Testing South Central, L.
Possible Hazard Identification Unconfirmed					Sam	Petu	le Disposal (A f	Clien	fee n	□ay b	e ass	assessed if san	By	samı	oles		etai	ed l	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	able Rank: 2			Spec	Special Instructions/QC	tructio	ns/Q	Rec	Requirements:	nents	6	3	2			2	100	
Empty Kit Relinquished by:		Date:			Time:	1	1					3	Method of Shipment	of Shi	oment		- 1		
Religious/Red by:	Date/Time:		1630	Company	7 7	Received by: Received by:	by. by	W	100	K	¢		N	10 0	Date/Time:	No.	9	$\tilde{\lambda} \mid \cdot \mid$	Company
	Color			Company	,	veceived by	, Yo	1		-				- 5	Date/Ip	ē	-		Company
Custody Seals Intact: Custody Seal No.: A Yes A No					0	Cooler Temperature(s) °C and Other Remarks:	mpera	ture(s)	°C and	Other	Rema	rks:	٦	٠,	7	~	6	0	1,-

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 890-8723-1

SDG Number: 2800

Login Number: 8723 List Source: Eurofins Carlsbad

List Number: 1

Creator: Bruns, Shannon

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	Improper containers received.
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: 890-8723-1

SDG Number: 2800

Login Number: 8723 **List Source: Eurofins Midland** List Number: 2

List Creation: 08/26/25 08:08 AM

Creator: Laing, Edmundo

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	N/A	

Eurofins Carlsbad

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<6mm (1/4").

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

Phone: (505) 629-6116
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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 502126

QUESTIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	502126
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518476618
Incident Name	NAPP2518476618 CYPHER 36 STATE COM 1 @ FAPP2202536779
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2202536779] CYPHER 36 STATE COM 1

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CYPHER 36 STATE COM 1
Date Release Discovered	07/03/2025
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications	for the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Lightning Tank (Any) Produced Water Released: 42 BBL Recovered: 42 BBL Lost: 0 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)	The Lease Operator was near the Cypher facility and saw lightning strike the facility. Upon arrival, the Operator saw the 300-barrel fiberglass tank on fire. The Fire Department was notified and successful extinguished the fire. The fiberglass tank was the only vessel destroyed in the fire. Based on tank gauges, an estimated 42 barrels produced water was released into the gravel lined containment. Vac trucks were able to recover a total of 100 barrels fluid, a combination of rainwater, fresh water used by fire trucks to extinguish the fire, and produced water released from the burnt tank. The impacted gravel will be removed to expose the liner, and a liner inspection will be scheduled 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 502126

Santa	1 e, 14141 07 303
QUESTI	ONS (continued)
Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683 Action Number:
QUESTIONS	[0-141] Nemediation Glosure Request 0-141 (0-141-9-0losure)
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; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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 s	afety 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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are require asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com

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

Phone: (505) 629-6116

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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 502126

QUESTIONS (continued)

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	502126
	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 approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd 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 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan			
Please answer all the questions that apply or are indicated. This information must be provided to ti	the appropriate district office no later than QD days after the release discovery date		
· · · · · · · · · · · · · · · · · · ·			
Requesting a remediation plan approval with this submission	Yes		
· · · · · · · · · · · · · · · · · · ·	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.		
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)	2060		
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	607		
GRO+DRO (EPA SW-846 Method 8015M)	607		
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3		
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 which includes the anticipated timelines for beginning and completing the remediation.	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,		
On what estimated date will the remediation commence	08/15/2025		
On what date will (or did) the final sampling or liner inspection occur	08/22/2025		
On what date will (or was) the remediation complete(d)	08/22/2025		
What is the estimated surface area (in square feet) that will be reclaimed	4450		
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	4450		
What is the estimated volume (in cubic yards) that will be remediated	1950		
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 ac	ccordance 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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 4

Action 502126

QUESTIONS (continued)

ı	Operator:	OGRID:
ı	CIMAREX ENERGY CO. OF COLORADO	162683
ı	6001 Deauville Blvd	Action Number:
ı	Midland, TX 79706	502126
ı		Action Type:
ı		[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.)		
Yes		
fEEM0112342028 LEA LAND LANDFILL		
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.

Name: Ashton Thielke Title: EHS Specialist I hereby agree and sign off to the above statement Email: Ashton.Thielke@coterra.com Date: 09/03/2025

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

QUESTIONS, Page 5

Action 502126

QUESTIONS (continued)

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	502126
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 6

Action 502126

QUESTIONS (continued)

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	502126
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	495566
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/25/2025
What was the (estimated) number of samples that were to be gathered	35
What was the sampling surface area in square feet	5000

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	4450	
What was the total volume (cubic yards) remediated	1950	
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)	Production storage tanks were removed from the tank battery. The entire liner was removed and contamination was removed from the site. Once samples came back from the lab at acceptable limits, the site was backfilled and production tanks were re-installed onsite to continue oil and gas production.	

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.

Name: Ashton Thielke
Title: EHS Specialist
Email: Ashton.Thielke@coterra.com
Date: 09/03/2025

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QUESTIONS, Page 7

Action 502126

QUESTIONS (continued)

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	502126
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 502126

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	502126
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2518476618 CYPHER 36 STATE COM 1, thank you. This Remediation Closure Report is approved.	10/16/2025