

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Riverbend 12-13 Federal Com 29H (12.17.2024)
Incident ID: nAPP2435260145
Eddy County, New Mexico
Unit E Sec 01 T25S R28E
32.157040°, -104.045933°

Point of Release: Equipment failure to production flow line
Release Date: 12.17.2024
Volume Released: 9 Barrels of Crude Oil and 18 Barrels of Produced Water
Volume Recovered: 9 Barrels of Crude Oil and 1 Barrel of Produced Water

CARMONA RESOURCES



Prepared for:
Cimarex Energy Co.
6001 Deauville Blvd.
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February 27, 2025

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

Re: Closure Report
Riverbend 12-13 Federal Com 29H (12.17.2024)
Incident ID: nAPP2435260145
Cimarex Energy Co.
Site Location: Unit E, S01, T25S, R28E
(Lat 32.157040°, Long -104.045933°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Cimarex Energy Co. (Cimarex), Carmona Resources, LLC has prepared this letter to document site assessment and remediation activities for the Riverbend 12-13 Federal Com 29H release. The site is located at 32.157040°, -104.045933° within Unit E, S01, 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 December 17, 2024, due to equipment failure in a production line. It resulted in approximately nine (9) barrels of crude oil and eighteen (18) barrels of produced water to be released with approximately nine (9) barrels of crude oil and one (1) barrel of produced water recovered. The spill boundaries are shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest water source is approximately 1.32 miles East of the site in S06, T25S, R29E and was drilled in 1979. The well has a reported depth to groundwater of 40 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 January 27, 2025, Carmona Resources personnel performed site assessment activities to evaluate soil impacts stemming from the release. A total of seven (7) trench samples (T-1 through T-7) and seven (7) horizontal samples (H-1 through H-7) were installed to total depths ranging from surface to 8.0' 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 Trench Samples for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

Horizontal Delineation

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

5.0 Remediation Activities

Between February 17, 2025, through February 21, 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 February 14, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of T-1 was excavated to a depth of 8.0' bgs. The area of T-2 was excavated to a depth of 4.5' bgs. The areas of T-3 through T-6 were excavated to a depth of 1.5' bgs. The area of T-7 was excavated to a depth of 2.5' bgs. A total of twenty-one (21) confirmation floor samples were collected (CS-1 through CS-21), and twenty-nine (29) sidewall samples (SW-1 through SW-29) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0. 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 2,900 square feet of contamination was remediated, resulting in 340 cubic yards of material excavated and transported offsite for proper disposal. Backfill operations were completed on February 25, 2025. A composite sample from the Fred Beard Backfill Pit, located at 32.161928°, -104.316363°, was collected for laboratory analysis on February 20, 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

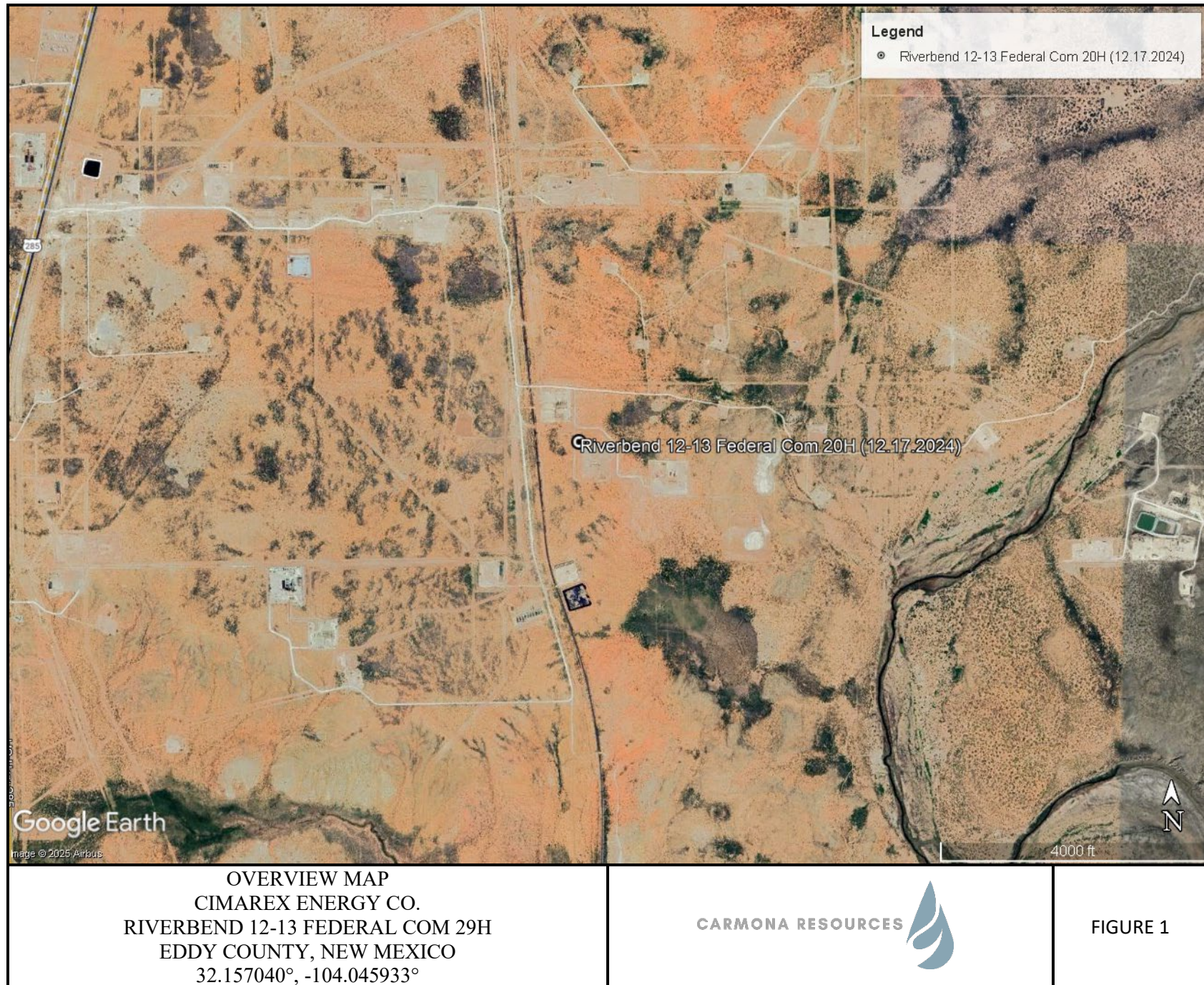
Ashton Thielke
Environmental Manager

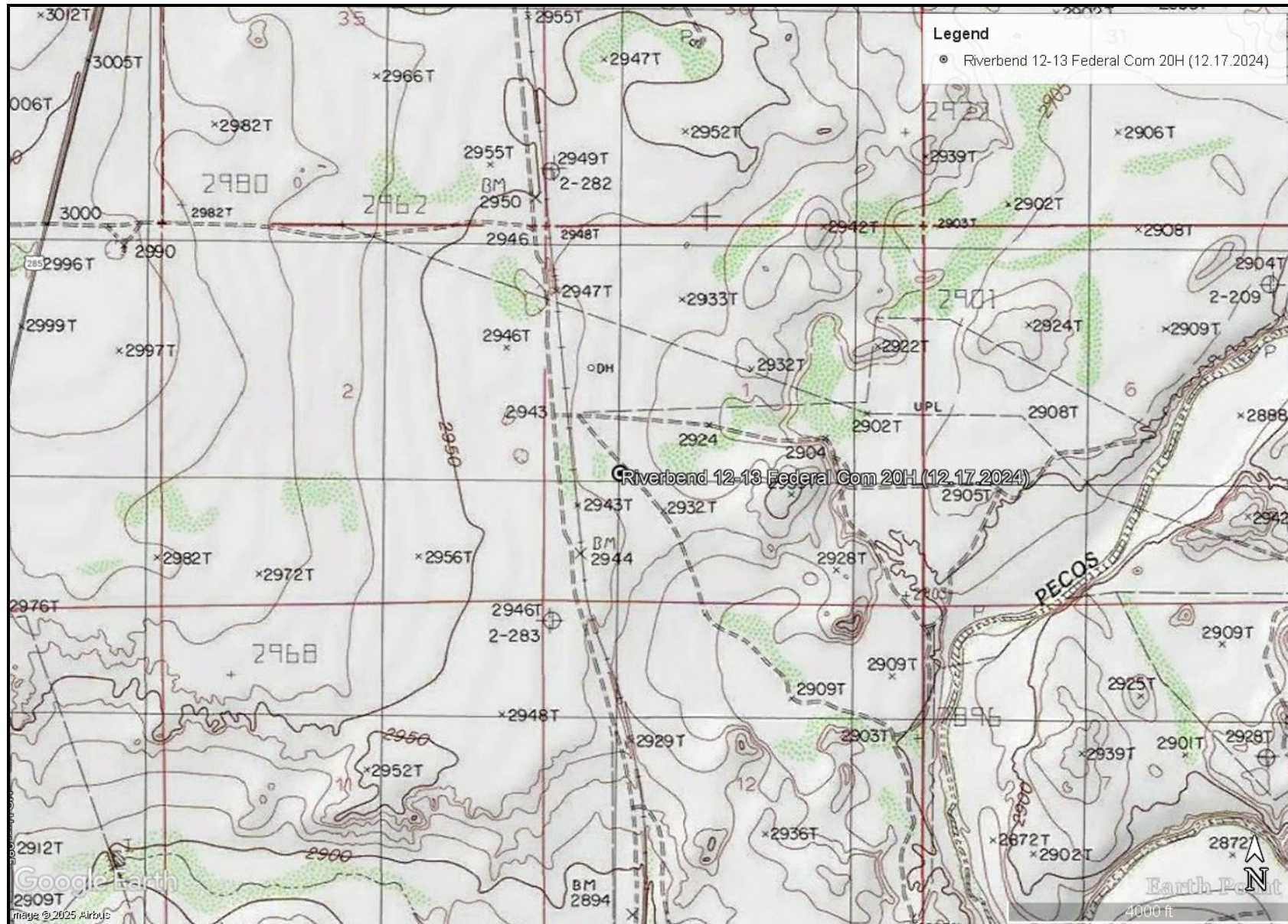
Gilbert Priego
Project Manager

FIGURES

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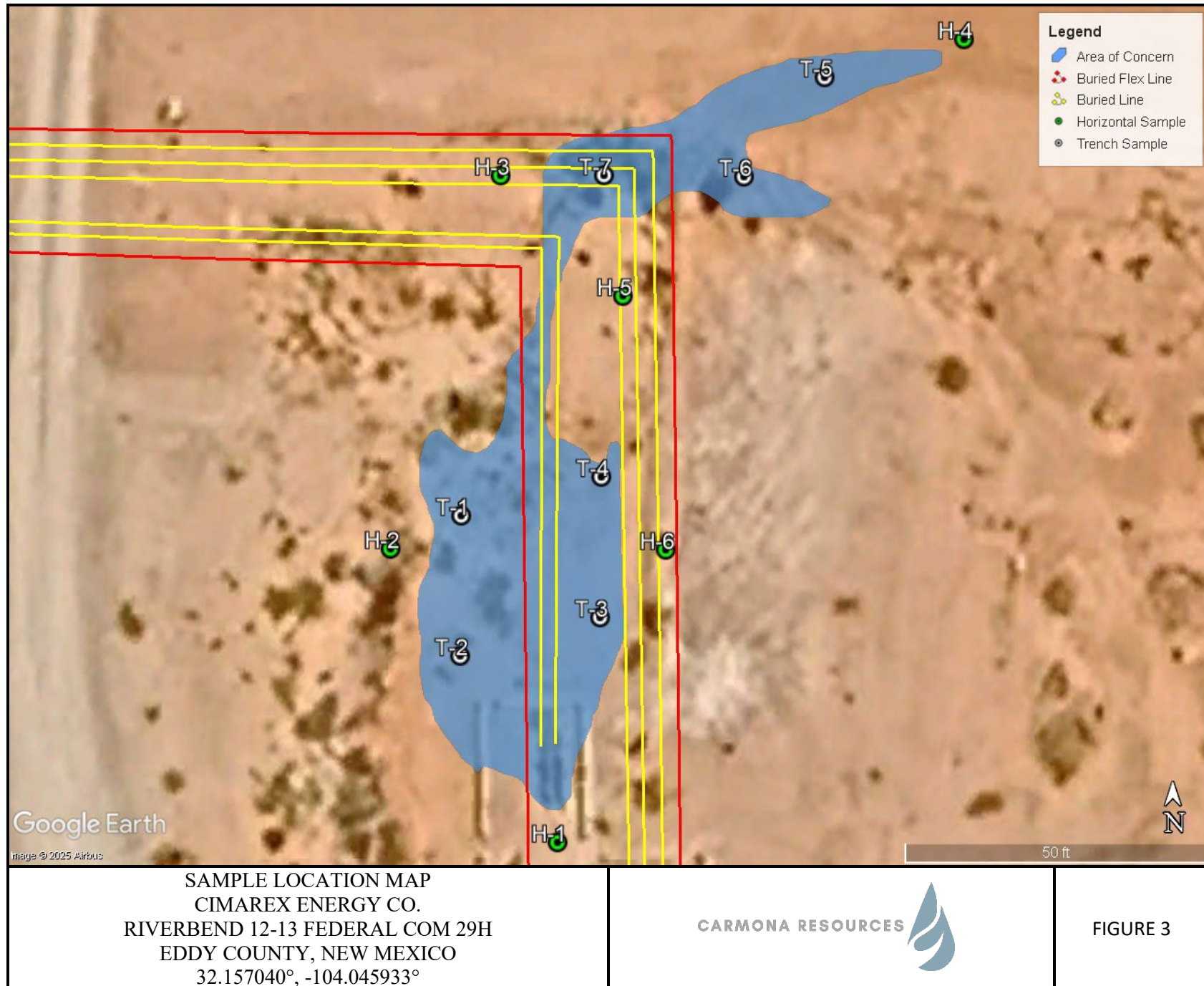


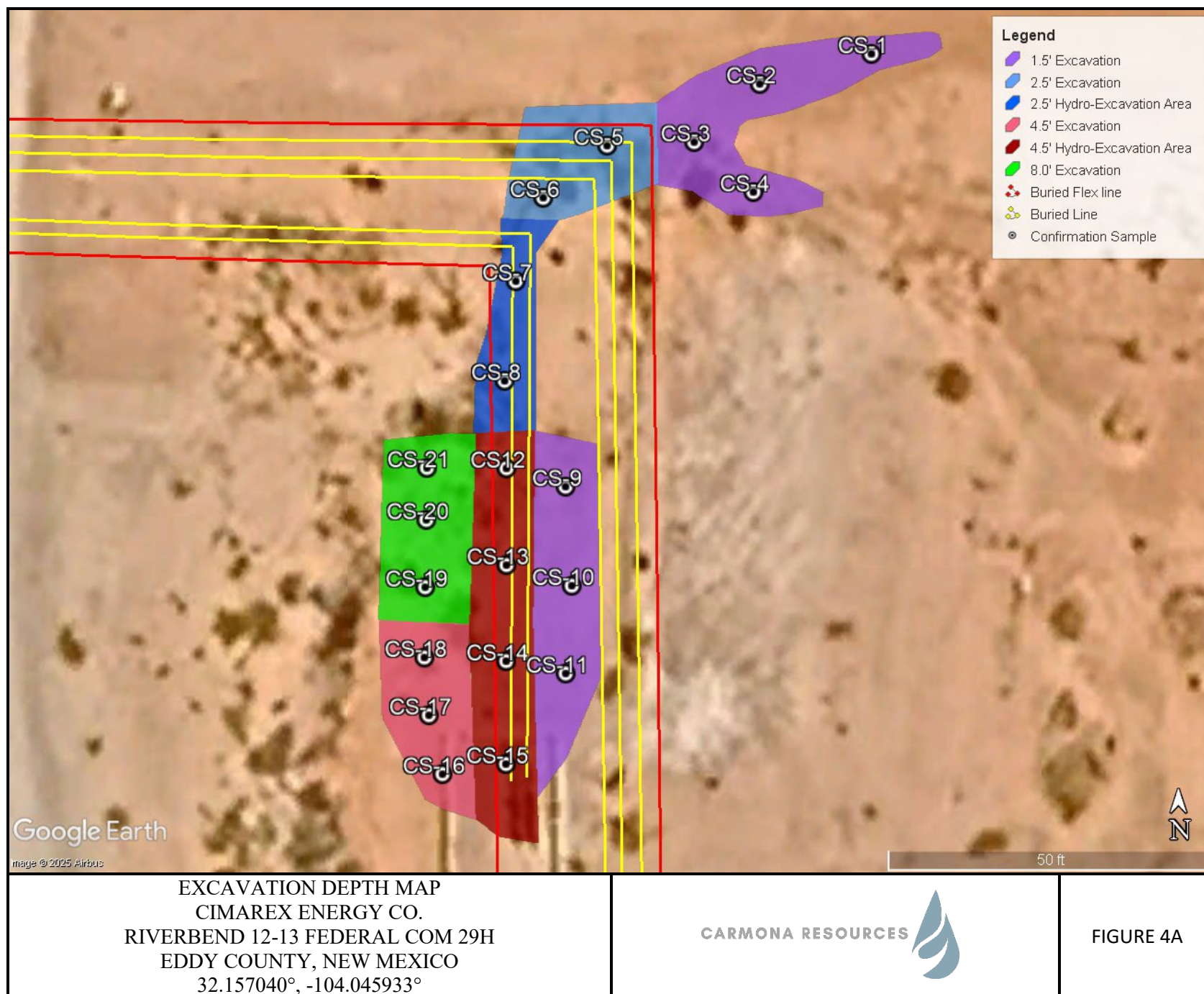


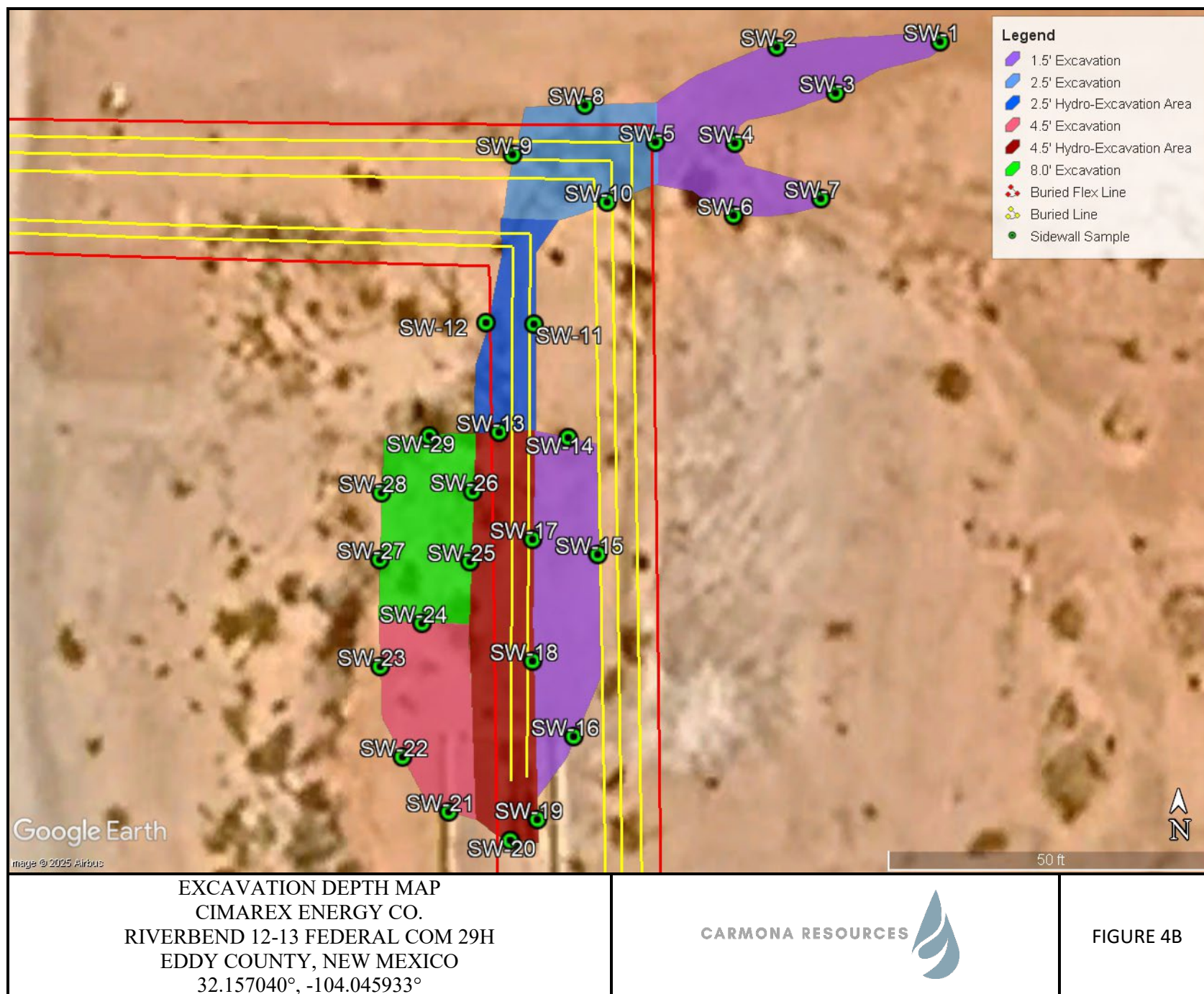
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FIGURE 2







APPENDIX A

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Table 1
Cimarex Energy Co.
Riverbend 12-13 Federal Com 20H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-1	1/27/2025	0-1'	1,030	2,810	<49.9	3,840	<0.399	6.06	4.82	15.4	26.2	7,750
	"	1.5'	<49.8	57.7	<49.8	57.7	0.00311	0.0789	0.0101	0.103	0.195	4,080
	"	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	0.00720	0.00264	0.0159	0.0257	2,810
	"	3.0'	<50.0	70.6	<50.0	70.6	<0.00202	0.00411	0.00225	0.0195	0.0258	1,110
	"	4.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	0.00893	0.00893	158
	"	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	0.00199	<0.00198	<0.00396	0.00514	3,150
	"	6.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	0.00747	0.00747	1,540
	"	7.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,020
	"	8.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	16.3
T-2	1/27/2025	0-1'	1,860	15,200	<503	17,100	<0.100	4.34	1.72	25.0	31.1	17,900
	"	1.5'	<49.9	228	<49.9	228	<0.00200	0.0104	0.00427	0.0280	0.0427	5,860
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	0.00723	0.00723	4,800
	"	3.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,830
	"	4.0'	<49.8	312	<49.8	312	<0.00198	0.00547	0.00712	0.104	0.116	1,000
	"	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	36.8
	"	6.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.3
	"	7.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<9.96
	"	8.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.5
T-3	1/27/2025	0-1'	480	6,180	<49.7	6,660	<0.00199	0.0326	0.0231	0.770	0.826	9,920
	"	1.5'	<49.8	78.1	<49.8	78.1	<0.00200	0.00434	<0.00200	0.104	0.108	84.8
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	0.00522	0.00522	29.1
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	33.8
	"	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	64.7
T-4	1/27/2025	0-1'	<49.8	108	<49.8	108	<0.00202	<0.00202	<0.00202	0.00444	0.00444	380
	"	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.3
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	15.5
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	53.7
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.92
T-5	1/27/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	8,480
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	371
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	65.9
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	164
T-6	1/27/2025	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	21,900
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	58.3
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	40.8
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	83.6
T-7	1/27/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	10,800
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,770
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,910
	"	3.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	386
	"	4.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(T) Trench Sample

Removed

Table 1
Cimarex Energy Co.
Riverbend 12-13 Federal Com 20H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	1/27/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.2
H-2	1/27/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.7
H-3	1/27/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	16.1
H-4	1/27/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	14.9
H-5	1/27/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.8
H-7	1/27/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.1
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Point

Table 2
Cimarex Energy Co.
Riverbend 12-13 Federal Com 29H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-2	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-3	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-4	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-5	2/20/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-6	2/20/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-7	2/20/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-8	2/20/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-9	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-10	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-11	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-12	2/20/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-13	2/20/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-14	2/20/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-15	2/20/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-16	2/21/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
CS-17	2/21/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.5
CS-18	2/21/2025	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<9.96
CS-19	2/21/2025	8.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<10.1
CS-20	2/21/2025	8.0'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<10.0
CS-21	2/21/2025	8.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.94
Fred Beard Backfill	2/20/2025	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) - Confirmation Sample

Table 2
Cimarex Energy Co.
Riverbend 12-13 Federal Com 29H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-2	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-3	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-4	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-5	2/20/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-6	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-7	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-8	2/20/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-9	2/20/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-10	2/20/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	57.0
SW-11	2/20/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-12	2/20/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-13	2/20/2025	2.5'-4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-14	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-15	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-16	2/20/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-17	2/20/2025	1.5'-4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-18	2/20/2025	1.5'-4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-19	2/20/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-20	2/20/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-21	2/20/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-22	2/21/2025	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.98
SW-23	2/21/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
SW-24	2/21/2025	4.5'-8.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.96
SW-25	2/21/2025	4.5'-8.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.98
SW-26	2/21/2025	4.5'-8.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
SW-27	2/21/2025	8.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
SW-28	2/21/2025	8.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<10.1
SW-29	2/21/2025	8.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 1

Facility: Riverbend 12-13 Federal Com 29H
(12.17.2024)

County: Eddy County, New Mexico

Description:

View Southeast, area of CS-1 and CS-4.



Photograph No. 2

Facility: Riverbend 12-13 Federal Com 29H
(12.17.2024)

County: Eddy County, New Mexico

Description:

View Southeast, area of CS-5 through CS-6 and CS-9 through CS-11.



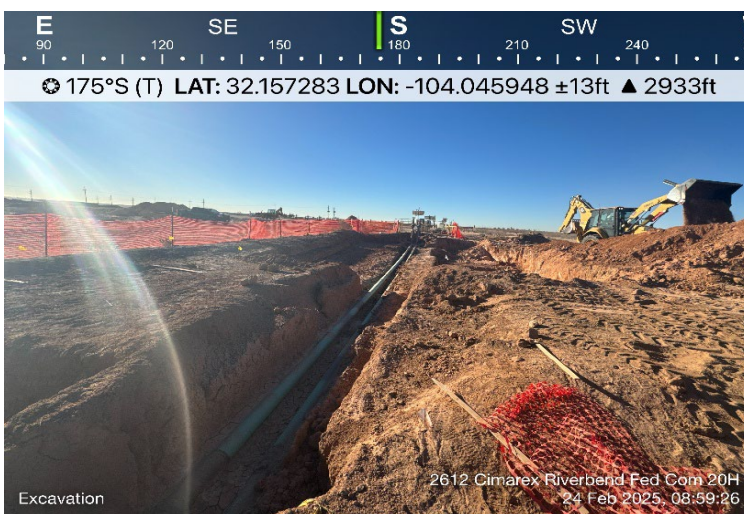
Photograph No. 3

Facility: Riverbend 12-13 Federal Com 29H
(12.17.2024)

County: Eddy County, New Mexico

Description:

View South, area of CS-7 through CS-15 with clean backfill material being stockpiled nearby.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 4

Facility: Riverbend 12-13 Federal Com 29H
(12.17.2024)

County: Eddy County, New Mexico

Description:

View Southwest, area of CS-9 through CS-15.



Photograph No. 5

Facility: Riverbend 12-13 Federal Com 29H
(12.17.2024)

County: Eddy County, New Mexico

Description:

View Northwest, area of CS-12 through CS-21 with clean backfill material being stockpiled nearby.



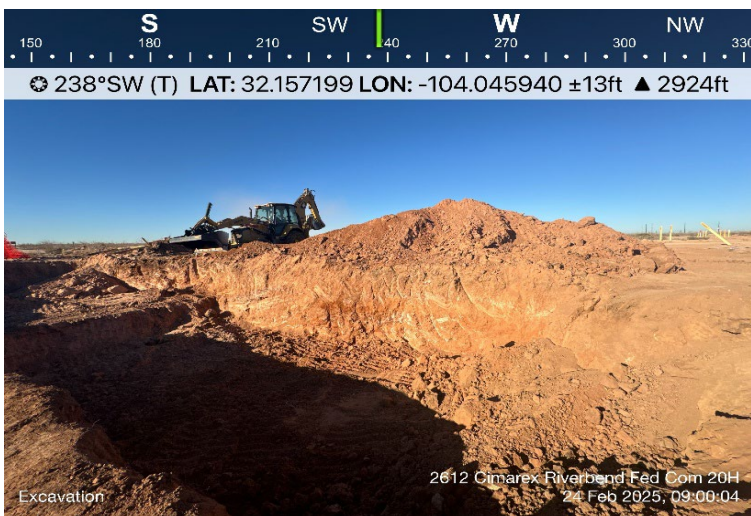
Photograph No. 6

Facility: Riverbend 12-13 Federal Com 29H
(12.17.2024)

County: Eddy County, New Mexico

Description:

View Southwest, area of CS-16 through CS-21 with clean backfill material being stockpiled nearby.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

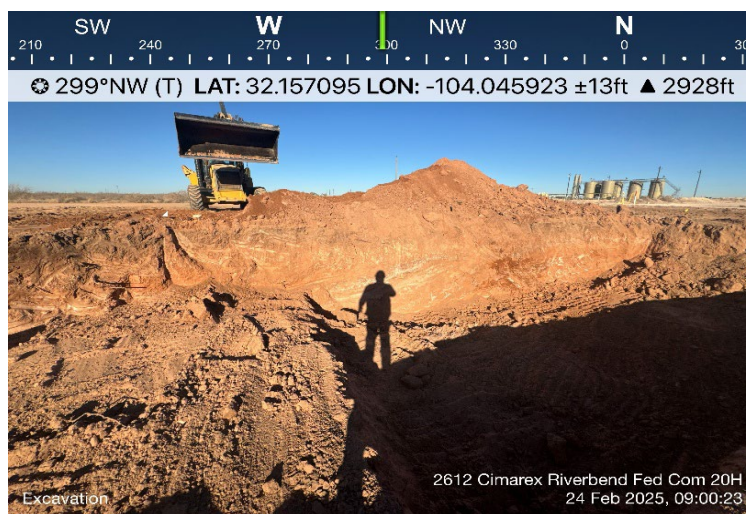
Photograph No. 7

Facility: Riverbend 12-13 Federal Com 29H
(12.17.2024)

County: Eddy County, New Mexico

Description:

View Northwest, area of CS-16 through CS-21 with clean backfill material being stockpiled nearby.



Photograph No. 8

Facility: Riverbend 12-13 Federal Com 29H
(12.17.2024)

County: Eddy County, New Mexico

Description:

View North of backfilled area.



Photograph No. 9

Facility: Riverbend 12-13 Federal Com 29H
(12.17.2024)

County: Eddy County, New Mexico

Description:

View North of backfilled area.



PHOTOGRAPHIC LOG**Cimarex Energy Co.****Photograph No. 10****Facility:** Riverbend 12-13 Federal Com 29H
(12.17.2024)**County:** Eddy County, New Mexico**Description:**

View Northeast of backfilled area.

**Photograph No. 11****Facility:** Riverbend 12-13 Federal Com 29H
(12.17.2024)**County:** Eddy County, New Mexico**Description:**

View West of backfilled area.

**Photograph No. 12****Facility:** Riverbend 12-13 Federal Com 29H
(12.17.2024)**County:** Eddy County, New Mexico**Description:**

View North of backfilled area.



APPENDIX C

CARMONA RESOURCES



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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 413136

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 413136
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	RIVERBEND 12-13 FEDERAL COM 29H
Date Release Discovered	12/17/2024
Surface Owner	Federal

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

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 9 BBL Recovered: 9 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 18 BBL Recovered: 1 BBL Lost: 17 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Oil Conservation Division
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QUESTIONS, Page 2

Action 413136

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 413136
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response

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

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

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

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ACKNOWLEDGMENTS

Action 413136

ACKNOWLEDGMENTS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 413136
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	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.
☒	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.
☒	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.
☒	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.
☒	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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CONDITIONS

Action 413136

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 413136
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
nrose	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	12/17/2024



CIMAREX ENERGY
Riverbend 12-13
EDDY, NM

5:11



< SVC-Pro

Saturated Soil Calculation

Riverbend 12-13 29H

L(Ft)

W(Ft)

D(In)

Oil %

4

60

4

30



Soil Definitions



SOIL TYPE FACTOR

0.08

0.14

0.16

0.25

0.15

H2O Spill Total: 1.40 Bbls

Oil Spill Total: 0.60 Bbls

Total Spilled: 1.99 Bbls

Total Spilled: 83.78 Gals

Screenshot for future reference!

5:11



< SVC-Pro

Saturated Soil Calculation

Riverbend 12-13 29H

L(Ft)

W(Ft)

D(In)

Oil %

60

30

6

30



Soil Definitions



SOIL TYPE FACTOR

0.08

0.14

0.16

0.25

0.15

H2O Spill Total: 15.71 Bbls

Oil Spill Total: 6.73 Bbls

Total Spilled: 22.44 Bbls

Total Spilled: 942.48 Gals

Screenshot for future reference!



CIMAREX ENERGY
Riverbend 12-13
EDDY, NM

5:11

[< SVC-Pro](#)

Saturated Soil Calculation

Riverbend 12-13 29H

L(Ft)

W(Ft)

D(In)

Oil %

50

4

8

30

[Soil Definitions](#)

SOIL TYPE FACTOR

0.08

0.14

0.16

0.25

0.15

H2O Spill Total: 2.33 Bbls

Oil Spill Total: 1.00 Bbls

Total Spilled: 3.32 Bbls

Total Spilled: 139.63 Gals

Screenshot for future reference!

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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 413933

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 413933
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435260145
Incident Name	NAPP2435260145 RIVERBEND 12-13 FEDERAL COM 29H @ 0
Incident Type	Other
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2123545971] RIVERBEND 12-13

Location of Release Source	
Please answer all the questions in this group.	
Site Name	RIVERBEND 12-13 FEDERAL COM 29H
Date Release Discovered	12/17/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 9 BBL Recovered: 9 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 18 BBL Recovered: 1 BBL Lost: 17 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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State of New Mexico
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QUESTIONS, Page 2

Action 413933

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 413933
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Nathaniel Rose Title: EHS Specialists Email: nathaniel.rose@coterra.com Date: 12/19/2024
--	---

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QUESTIONS, Page 3

Action 413933

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 413933
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

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

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

CONDITIONS

Action 413933

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 413933
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	12/23/2024

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/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 432145

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 432145
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435260145
Incident Name	NAPP2435260145 RIVERBEND 12-13 FEDERAL COM 29H @ 0
Incident Type	Other
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123545971] RIVERBEND 12-13

Location of Release Source	
Site Name	RIVERBEND 12-13 FEDERAL COM 29H
Date Release Discovered	12/17/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	2,200
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/19/2025
Time sampling will commence	09:00 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	(32.157158, -104.045949) Carmona Resources will be onsite on 02/19/2025 to collect confirmation samples of the high pressure flex line before immediately backfilling the area due to safety concerns. Carmona Resources will remain onsite until 02.26.2025 to collect composite confirmation samples of all other areas excavated around the buried pipelines.

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

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

CONDITIONS

Action 432145

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 432145
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
nrose	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/14/2025

APPENDIX D

CARMONA RESOURCES



Nearest Water Well

Cimarex Energy Co.

Willow Creek RV Park

Legend

- 0.50 Mile Radius
- 1.32 Miles
- 1.50 Miles
- 1.68 Miles
- NMSEO Water Well
- Riverbend 12-13 Federal Com 33H (09.14.24)
- USGS Water Well

45.51' - Drilled 2021

Riverbend 12-13 Federal Com 33H (09.14.24)

40' - Drilled 1979

39' - Drilled 2020

Google Earth

Released to Imaging: 6/5/2025 11:15:38 AM

Image © 2024 Airbus

Pecos River



1 mi

High Karst

Cimarex Energy Co.

Legend

- High
- Medium
- Riverbend 12-13 Federal Com 33H (09.14.24)

Riverbend 12-13 Federal Com 33H (09.14.24)

Pecos River

Google Earth

1 mi





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01880	C	ED		3	3	2	06	25S	29E	592161	3558605*	2125	85	40	45
C 04715 POD1	CUB	ED		3	4	4	34	24S	28E	587786	3559440	2635	40		
C 04493 POD1	CUB	ED		4	4	4	06	25S	29E	592760	3557765	2702	57	39	18
C 01411 POD2	C	ED		4	2	4	04	25S	28E	586374	3558036	3712	90	50	40
C 01411	R C	ED		4	4	2	04	25S	28E	586289	3558522*	3814	69	35	34
C 00857	CUB	ED		3	1	4	30	24S	29E	592135	3561440*	3875	306		

Average Depth to Water: **41 feet**

Minimum Depth: **35 feet**

Maximum Depth: **50 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 590085

Northing (Y): 3558151

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.

6/14/23 12:31 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
	C 01880	3	3	2	06	25S	29E	592161	3558605*		
x											
Driller License:		46		Driller Company:			ABBOTT BROTHERS COMPANY				
Driller Name:		MURRELL ABBOTT									
Drill Start Date:		10/29/1979			Drill Finish Date:			10/30/1979		Plug Date:	
Log File Date:		11/05/1979			PCW Rcv Date:					Source: Shallow	
Pump Type:					Pipe Discharge Size:					Estimated Yield:	
Casing Size:		7.00			Depth Well:			85 feet		Depth Water: 40 feet	
x											
Water Bearing Stratifications:				Top	Bottom	Description					
				40	85	Sandstone/Gravel/Conglomerate					
x											
Casing Perforations:				Top	Bottom						
				40	60						
x											

*UTM location was derived from PLSS - see Help

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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	? S
				Groundwater	New Mexico	GO	

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320956104040101

Minimum number of levels = 1

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

USGS 320956104040101 25S.28E.03.22231

Eddy County, New Mexico

Latitude 32°09'56.2", Longitude 104°04'04.1" NAD83

Land-surface elevation 2,990.20 feet above NGVD29

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

This well is completed in the Rustler Formation (312RSLR) 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 measur
1948-12-06		D	62610		2957.93	NGVD29	1		Z	
1948-12-06		D	62611		2959.50	NAVD88	1		Z	
1948-12-06		D	72019	32.27			1		Z	
1978-01-03		D	62610		2957.23	NGVD29	1		Z	
1978-01-03		D	62611		2958.80	NAVD88	1		Z	
1978-01-03		D	72019	32.97			1		Z	
1983-02-01		D	62610		2964.33	NGVD29	1		Z	
1983-02-01		D	62611		2965.90	NAVD88	1		Z	
1983-02-01		D	72019	25.87			1		Z	
1987-10-14		D	62610		2960.93	NGVD29	1		Z	
1987-10-14		D	62611		2962.50	NAVD88	1		Z	
1987-10-14		D	72019	29.27			1		Z	
1988-03-22		D	62610		2960.27	NGVD29	1		Z	
1988-03-22		D	62611		2961.84	NAVD88	1		Z	
1988-03-22		D	72019	29.93			1		Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
1992-11-04	D	62610	2955.17	NGVD29	1	S	
1992-11-04	D	62611	2956.74	NAVD88	1	S	
1992-11-04	D	72019	35.03		1	S	
1998-01-23	D	62610	2956.36	NGVD29	1	S	
1998-01-23	D	62611	2957.93	NAVD88	1	S	
1998-01-23	D	72019	33.84		1	S	
2003-01-27	D	62610	2958.12	NGVD29	1	S	USGS
2003-01-27	D	62611	2959.69	NAVD88	1	S	USGS
2003-01-27	D	72019	32.08		1	S	USGS
2013-01-10 21:20 UTC	m	62610	2956.64	NGVD29	1	S	USGS
2013-01-10 21:20 UTC	m	62611	2958.21	NAVD88	1	S	USGS
2013-01-10 21:20 UTC	m	72019	33.56		1	S	USGS
2018-02-14 16:56 UTC	m	62610	2951.08	NGVD29	1	V	USGS
2018-02-14 16:56 UTC	m	62611	2952.65	NAVD88	1	V	USGS
2018-02-14 16:56 UTC	m	72019	39.12		1	V	USGS
2021-02-24 19:00 UTC	m	62610	2947.41	NGVD29	1	S	USGS
2021-02-24 19:00 UTC	m	62611	2948.98	NAVD88	1	S	USGS
2021-02-24 19:00 UTC	m	72019	42.79		1	S	USGS
2022-01-13 18:36 UTC	m	62610	2948.08	NGVD29	1	V	USGS
2022-01-13 18:36 UTC	m	62611	2949.65	NAVD88	1	V	USGS
2022-01-13 18:36 UTC	m	72019	42.12		1	V	USGS
2023-02-14 17:44 UTC	m	62610	2944.69	NGVD29	1	S	USGS
2023-02-14 17:44 UTC	m	62611	2946.26	NAVD88	1	S	USGS
2023-02-14 17:44 UTC	m	72019	45.51		1	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
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-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	A	Approved for publication -- Processing and review completed.

[Questions or Comments](#)[Automated retrievals](#)[Help](#)[Data Tips](#)[Explanation of terms](#)

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	? S
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Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-06-14 14:40:19 EDT
0.34 0.29 nadww01



New Mexico Office of the State Engineer

Point of Diversion Summary

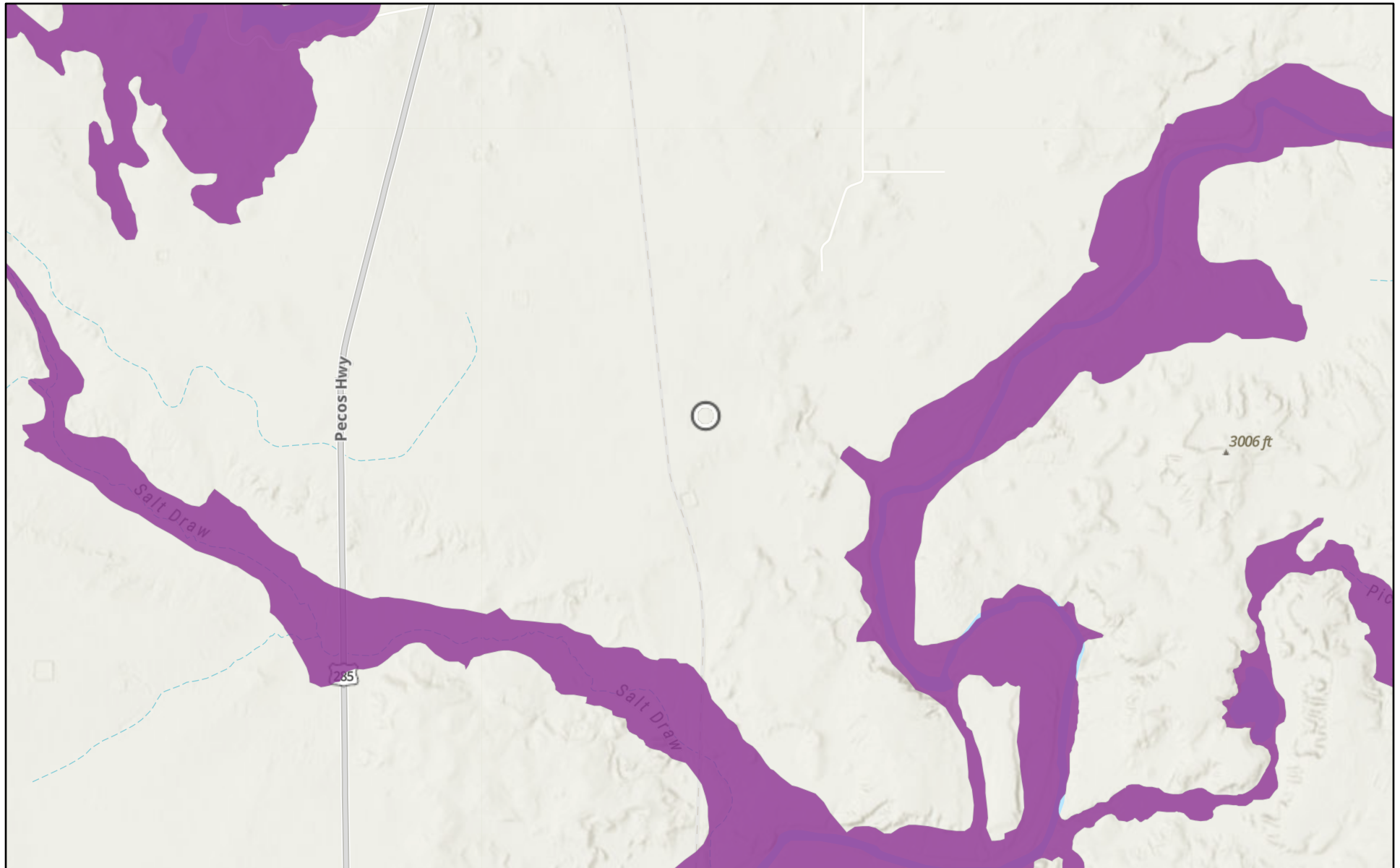
		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
NA	C 04493 POD1	4	4	4	06	25S	29E	592760	3557765		
Driller License: 1249		Driller Company:		ATKINS ENGINEERING ASSOC. INC.							
Driller Name:		JACKIE D ATKINS									
Drill Start Date: 11/18/2020		Drill Finish Date:				11/18/2020		Plug Date:		11/23/2020	
Log File Date: 12/17/2020		PCW Rcv Date:						Source:		Shallow	
Pump Type:		Pipe Discharge Size:						Estimated Yield:		0 GPM	
Casing Size:		Depth Well:				57 feet		Depth Water:		39 feet	
Water Bearing Stratifications:				Top	Bottom	Description					
				29	57	Sandstone/Gravel/Conglomerate					

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.

6/14/23 12:37 PM

POINT OF DIVERSION SUMMARY

Riverbend 12-13 Federal Com 33H (09.14.24)

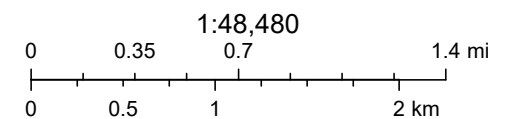


12/27/2024

USA Flood Hazard Areas

 1% Annual Chance Flood Hazard

World Hillshade

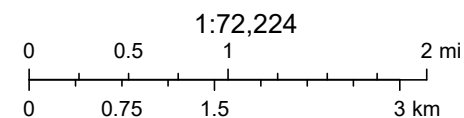


Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Esri,

Riverbend 12-13 Federal Com 33H (09.14.24)



12/27/2024, 4:37:51 PM



Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Esri,

New Mexico Oil Conservation Division

APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701
Generated 2/3/2025 1:09:37 PM

JOB DESCRIPTION

Riverbend 12-13 Federal Com 20H
Eddy Co, NM

JOB NUMBER

880-53702-1

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
2/3/2025 1:09:37 PM

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

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Laboratory Job ID: 880-53702-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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)

Definitions/Glossary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Case Narrative

Client: Carmona Resources
Project: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1

Job ID: 880-53702-1

Eurofins Midland

Job Narrative 880-53702-1

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 1/28/2025 8:00 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 -4.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-53702-1), T-1 (1.5') (880-53702-2), T-1 (2.0') (880-53702-3), T-1 (3.0') (880-53702-4), T-1 (4.0') (880-53702-5), T-1 (5.0') (880-53702-6), T-1 (6.0') (880-53702-7), T-1 (7.0') (880-53702-8), T-1 (8.0') (880-53702-9), T-2 (0-1') (880-53702-10), T-2 (1.5') (880-53702-11), T-2 (2.0') (880-53702-12), T-2 (3.0') (880-53702-13), T-2 (4.0') (880-53702-14), T-2 (5.0') (880-53702-15), T-2 (6.0') (880-53702-16), T-2 (7.0') (880-53702-17), T-2 (8.0') (880-53702-18), T-3 (0-1') (880-53702-19), T-3 (1.5') (880-53702-20), T-3 (2.0') (880-53702-21), T-3 (3.0') (880-53702-22), T-3 (4.0') (880-53702-23), T-4 (0-1') (880-53702-24), T-4 (1.5') (880-53702-25), T-4 (2.0') (880-53702-26), T-4 (3.0') (880-53702-27), T-4 (4.0') (880-53702-28), T-5 (0-1') (880-53702-29), T-5 (1.5') (880-53702-30), T-5 (2.0') (880-53702-31), T-5 (3.0') (880-53702-32), T-6 (0-1') (880-53702-33), T-6 (1.5') (880-53702-34), T-6 (2.0') (880-53702-35), T-6 (3.0') (880-53702-36), T-7 (0-1') (880-53702-37), T-7 (1.5') (880-53702-38), T-7 (2.0') (880-53702-39), T-7 (3.0') (880-53702-40) and T-7 (4.0') (880-53702-41).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-101241/15) and (CCV 880-101241/2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-101363 and analytical batch 880-101438 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (1.5') (880-53702-2) and T-3 (0-1') (880-53702-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-101368 and analytical batch 880-101440 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.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-2 (0-1') (880-53702-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-101553 and analytical batch 880-101546 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.

Diesel Range Organics

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: T-4 (3.0') (880-53702-27), (880-53702-A-22-C MS) and (880-53702-A-22-D MSD). Percent recoveries are based on the amount spiked.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1

Job ID: 880-53702-1 (Continued)

Eurofins Midland

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-3 (3.0') (880-53702-22), T-3 (4.0') (880-53702-23), T-4 (0-1') (880-53702-24), T-4 (1.5') (880-53702-25), T-4 (2.0') (880-53702-26), T-4 (4.0') (880-53702-28), T-5 (0-1') (880-53702-29), T-5 (1.5') (880-53702-30), T-6 (1.5') (880-53702-34), T-6 (2.0') (880-53702-35), T-6 (3.0') (880-53702-36), T-7 (0-1') (880-53702-37), T-7 (1.5') (880-53702-38) and T-7 (2.0') (880-53702-39). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-1 (7.0') (880-53702-8), T-3 (0-1') (880-53702-19) and T-3 (1.5') (880-53702-20). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-101366 and analytical batch 880-101491 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-53702-1), (880-53702-A-1-E MS) and (880-53702-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-2 (0-1') (880-53702-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-101544 and analytical batch 880-101567 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-101362 and analytical batch 880-101720 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: T-1 (2.0') (880-53702-3), (880-53698-A-42-A) and (880-53698-A-42-B MS). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-53698-A-42-C MSD). 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 880-101399 and analytical batch 880-101503 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.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-101399 and analytical batch 880-101503 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.

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-53702-1

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.399	U	0.399		mg/Kg		01/29/25 14:31	01/29/25 19:03	200
Toluene	6.06		0.399		mg/Kg		01/29/25 14:31	01/29/25 19:03	200
Ethylbenzene	4.82		0.399		mg/Kg		01/29/25 14:31	01/29/25 19:03	200
m-Xylene & p-Xylene	10.9		0.798		mg/Kg		01/29/25 14:31	01/29/25 19:03	200
o-Xylene	4.45		0.399		mg/Kg		01/29/25 14:31	01/29/25 19:03	200
Xylenes, Total	15.4		0.798		mg/Kg		01/29/25 14:31	01/29/25 19:03	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	01/29/25 14:31	01/29/25 19:03	200
1,4-Difluorobenzene (Surr)	109		70 - 130	01/29/25 14:31	01/29/25 19:03	200

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	26.2		0.798		mg/Kg			01/29/25 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3840		49.9		mg/Kg			01/29/25 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1030		49.9		mg/Kg		01/28/25 10:06	01/29/25 20:41	1
Diesel Range Organics (Over C10-C28)	2810		49.9		mg/Kg		01/28/25 10:06	01/29/25 20:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/25 10:06	01/29/25 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	165	S1+	70 - 130	01/28/25 10:06	01/29/25 20:41	1
o-Terphenyl	138	S1+	70 - 130	01/28/25 10:06	01/29/25 20:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7750		99.4		mg/Kg			01/29/25 21:41	10

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-53702-2

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00311		0.00200		mg/Kg		01/28/25 10:00	01/29/25 12:48	1
Toluene	0.0789		0.00200		mg/Kg		01/28/25 10:00	01/29/25 12:48	1
Ethylbenzene	0.0101	*1	0.00200		mg/Kg		01/28/25 10:00	01/29/25 12:48	1
m-Xylene & p-Xylene	0.0250		0.00399		mg/Kg		01/28/25 10:00	01/29/25 12:48	1
o-Xylene	0.0780		0.00200		mg/Kg		01/28/25 10:00	01/29/25 12:48	1
Xylenes, Total	0.103		0.00399		mg/Kg		01/28/25 10:00	01/29/25 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	01/28/25 10:00	01/29/25 12:48	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	01/28/25 10:00	01/29/25 12:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-53702-2

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.195		0.00399		mg/Kg			01/29/25 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.7		49.8		mg/Kg			01/29/25 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/29/25 21:29	1
Diesel Range Organics (Over C10-C28)	57.7		49.8		mg/Kg		01/28/25 10:06	01/29/25 21:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/29/25 21:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				01/28/25 10:06	01/29/25 21:29	1
o-Terphenyl	103		70 - 130				01/28/25 10:06	01/29/25 21:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4080		49.6		mg/Kg			01/29/25 21:47	5

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-53702-3

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/28/25 10:00	01/29/25 13:08	1
Toluene	0.00720		0.00201		mg/Kg		01/28/25 10:00	01/29/25 13:08	1
Ethylbenzene	0.00264	*1	0.00201		mg/Kg		01/28/25 10:00	01/29/25 13:08	1
m-Xylene & p-Xylene	0.00786		0.00402		mg/Kg		01/28/25 10:00	01/29/25 13:08	1
o-Xylene	0.00802		0.00201		mg/Kg		01/28/25 10:00	01/29/25 13:08	1
Xylenes, Total	0.0159		0.00402		mg/Kg		01/28/25 10:00	01/29/25 13:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				01/28/25 10:00	01/29/25 13:08	1
1,4-Difluorobenzene (Surr)	90		70 - 130				01/28/25 10:00	01/29/25 13:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0257		0.00402		mg/Kg			01/29/25 13:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/31/25 23:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/28/25 09:59	01/31/25 23:42	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/28/25 09:59	01/31/25 23:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-53702-3

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/28/25 09:59	01/31/25 23:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	59	S1-	70 - 130				01/28/25 09:59	01/31/25 23:42	1
o-Terphenyl	52	S1-	70 - 130				01/28/25 09:59	01/31/25 23:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2810		50.2		mg/Kg			01/29/25 21:52	5

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-53702-4

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/28/25 10:00	01/29/25 13:28	1
Toluene	0.00411		0.00202		mg/Kg		01/28/25 10:00	01/29/25 13:28	1
Ethylbenzene	0.00225	*1	0.00202		mg/Kg		01/28/25 10:00	01/29/25 13:28	1
m-Xylene & p-Xylene	0.00557		0.00403		mg/Kg		01/28/25 10:00	01/29/25 13:28	1
o-Xylene	0.0139		0.00202		mg/Kg		01/28/25 10:00	01/29/25 13:28	1
Xylenes, Total	0.0195		0.00403		mg/Kg		01/28/25 10:00	01/29/25 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				01/28/25 10:00	01/29/25 13:28	1
1,4-Difluorobenzene (Surr)	81		70 - 130				01/28/25 10:00	01/29/25 13:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0258		0.00403		mg/Kg			01/29/25 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	70.6		50.0		mg/Kg			01/29/25 21:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/29/25 21:45	1
Diesel Range Organics (Over C10-C28)	70.6		50.0		mg/Kg		01/28/25 10:06	01/29/25 21:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/29/25 21:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				01/28/25 10:06	01/29/25 21:45	1
o-Terphenyl	102		70 - 130				01/28/25 10:06	01/29/25 21:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		9.94		mg/Kg			01/29/25 21:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (4.0')

Lab Sample ID: 880-53702-5

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:00	01/29/25 13:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:00	01/29/25 13:49	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		01/28/25 10:00	01/29/25 13:49	1
m-Xylene & p-Xylene	0.00556		0.00398		mg/Kg		01/28/25 10:00	01/29/25 13:49	1
o-Xylene	0.00337		0.00199		mg/Kg		01/28/25 10:00	01/29/25 13:49	1
Xylenes, Total	0.00893		0.00398		mg/Kg		01/28/25 10:00	01/29/25 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	01/28/25 10:00	01/29/25 13:49	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/28/25 10:00	01/29/25 13:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00893		0.00398		mg/Kg			01/29/25 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/29/25 22:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/28/25 10:06	01/29/25 22:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/28/25 10:06	01/29/25 22:00	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/28/25 10:06	01/29/25 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	01/28/25 10:06	01/29/25 22:00	1
o-Terphenyl	95		70 - 130	01/28/25 10:06	01/29/25 22:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158		9.92		mg/Kg			01/29/25 22:16	1

Client Sample ID: T-1 (5.0')

Lab Sample ID: 880-53702-6

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:00	01/29/25 14:09	1
Toluene	0.00199		0.00198		mg/Kg		01/28/25 10:00	01/29/25 14:09	1
Ethylbenzene	<0.00198	U *1	0.00198		mg/Kg		01/28/25 10:00	01/29/25 14:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/28/25 10:00	01/29/25 14:09	1
o-Xylene	0.00315		0.00198		mg/Kg		01/28/25 10:00	01/29/25 14:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/28/25 10:00	01/29/25 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	01/28/25 10:00	01/29/25 14:09	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/28/25 10:00	01/29/25 14:09	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (5.0')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	0.00514		0.00396		mg/Kg			01/29/25 14:09	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			01/29/25 22:17	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/29/25 22:17	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/29/25 22:17	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/29/25 22:17	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	128		70 - 130				01/28/25 10:06	01/29/25 22:17	1	
o-Terphenyl	103		70 - 130				01/28/25 10:06	01/29/25 22:17	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	3150		101		mg/Kg			01/29/25 22:22	10	

Client Sample ID: T-1 (6.0')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-7
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:00	01/29/25 14:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:00	01/29/25 14:30	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		01/28/25 10:00	01/29/25 14:30	1
m-Xylene & p-Xylene	0.00450		0.00398		mg/Kg		01/28/25 10:00	01/29/25 14:30	1
o-Xylene	0.00297		0.00199		mg/Kg		01/28/25 10:00	01/29/25 14:30	1
Xylenes, Total	0.00747		0.00398		mg/Kg		01/28/25 10:00	01/29/25 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				01/28/25 10:00	01/29/25 14:30	1
1,4-Difluorobenzene (Surr)	91		70 - 130				01/28/25 10:00	01/29/25 14:30	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00747		0.00398		mg/Kg			01/29/25 14:30	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			01/29/25 22:32	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/29/25 22:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/29/25 22:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (6.0')

Lab Sample ID: 880-53702-7

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/29/25 22:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				01/28/25 10:06	01/29/25 22:32	1
o-Terphenyl	97		70 - 130				01/28/25 10:06	01/29/25 22:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1540		99.4		mg/Kg			01/29/25 22:40	10

Client Sample ID: T-1 (7.0')

Lab Sample ID: 880-53702-8

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 14:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 14:50	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		01/28/25 10:00	01/29/25 14:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/28/25 10:00	01/29/25 14:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 14:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/28/25 10:00	01/29/25 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				01/28/25 10:00	01/29/25 14:50	1
1,4-Difluorobenzene (Surr)	89		70 - 130				01/28/25 10:00	01/29/25 14:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/29/25 14:50	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			01/29/25 22:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/29/25 22:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/29/25 22:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/29/25 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				01/28/25 10:06	01/29/25 22:49	1
o-Terphenyl	116		70 - 130				01/28/25 10:06	01/29/25 22:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1020		99.6		mg/Kg			01/29/25 22:46	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (8.0')

Lab Sample ID: 880-53702-9

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/28/25 10:00	01/29/25 15:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/28/25 10:00	01/29/25 15:11	1
Ethylbenzene	<0.00201	U *1	0.00201		mg/Kg		01/28/25 10:00	01/29/25 15:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/28/25 10:00	01/29/25 15:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/28/25 10:00	01/29/25 15:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/28/25 10:00	01/29/25 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	01/28/25 10:00	01/29/25 15:11	1
1,4-Difluorobenzene (Surr)	97		70 - 130	01/28/25 10:00	01/29/25 15:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/29/25 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/29/25 23:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/28/25 10:06	01/29/25 23:05	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/28/25 10:06	01/29/25 23:05	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/28/25 10:06	01/29/25 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	01/28/25 10:06	01/29/25 23:05	1
o-Terphenyl	105		70 - 130	01/28/25 10:06	01/29/25 23:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.3		9.92		mg/Kg			01/30/25 12:50	1

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-53702-10

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.100	U *-	0.100		mg/Kg		01/30/25 12:46	01/30/25 18:19	50
Toluene	4.34	*-	0.100		mg/Kg		01/30/25 12:46	01/30/25 18:19	50
Ethylbenzene	1.72	*-	0.100		mg/Kg		01/30/25 12:46	01/30/25 18:19	50
m-Xylene & p-Xylene	16.4	*-	0.200		mg/Kg		01/30/25 12:46	01/30/25 18:19	50
o-Xylene	8.60	*-	0.100		mg/Kg		01/30/25 12:46	01/30/25 18:19	50
Xylenes, Total	25.0	*-	0.200		mg/Kg		01/30/25 12:46	01/30/25 18:19	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	293	S1+	70 - 130	01/30/25 12:46	01/30/25 18:19	50
1,4-Difluorobenzene (Surr)	94		70 - 130	01/30/25 12:46	01/30/25 18:19	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-53702-10

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	31.1		0.200		mg/Kg			01/30/25 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17100		503		mg/Kg			01/30/25 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1860		503		mg/Kg		01/30/25 07:58	01/30/25 14:33	10
Diesel Range Organics (Over C10-C28)	15200		503		mg/Kg		01/30/25 07:58	01/30/25 14:33	10
Oil Range Organics (Over C28-C36)	<503	U	503		mg/Kg		01/30/25 07:58	01/30/25 14:33	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	266	S1+	70 - 130				01/30/25 07:58	01/30/25 14:33	10
o-Terphenyl	335	S1+	70 - 130				01/30/25 07:58	01/30/25 14:33	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17900		198		mg/Kg			01/29/25 22:57	20

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-53702-11

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 17:21	1
Toluene	0.0104		0.00200		mg/Kg		01/28/25 10:00	01/29/25 17:21	1
Ethylbenzene	0.00427	*1	0.00200		mg/Kg		01/28/25 10:00	01/29/25 17:21	1
m-Xylene & p-Xylene	0.00710		0.00399		mg/Kg		01/28/25 10:00	01/29/25 17:21	1
o-Xylene	0.0209		0.00200		mg/Kg		01/28/25 10:00	01/29/25 17:21	1
Xylenes, Total	0.0280		0.00399		mg/Kg		01/28/25 10:00	01/29/25 17:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130				01/28/25 10:00	01/29/25 17:21	1
1,4-Difluorobenzene (Surr)	78		70 - 130				01/28/25 10:00	01/29/25 17:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0427		0.00399		mg/Kg			01/29/25 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	228		49.9		mg/Kg			01/29/25 23:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/25 10:06	01/29/25 23:37	1
Diesel Range Organics (Over C10-C28)	228		49.9		mg/Kg		01/28/25 10:06	01/29/25 23:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-53702-11

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/25 10:06	01/29/25 23:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				01/28/25 10:06	01/29/25 23:37	1
o-Terphenyl	101		70 - 130				01/28/25 10:06	01/29/25 23:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5860		100		mg/Kg			01/29/25 23:03	10

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-53702-12

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:00	01/29/25 17:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:00	01/29/25 17:41	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		01/28/25 10:00	01/29/25 17:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/28/25 10:00	01/29/25 17:41	1
o-Xylene	0.00723		0.00199		mg/Kg		01/28/25 10:00	01/29/25 17:41	1
Xylenes, Total	0.00723		0.00398		mg/Kg		01/28/25 10:00	01/29/25 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				01/28/25 10:00	01/29/25 17:41	1
1,4-Difluorobenzene (Surr)	97		70 - 130				01/28/25 10:00	01/29/25 17:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00723		0.00398		mg/Kg			01/29/25 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/30/25 00:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/25 10:06	01/30/25 00:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/25 10:06	01/30/25 00:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/25 10:06	01/30/25 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				01/28/25 10:06	01/30/25 00:08	1
o-Terphenyl	102		70 - 130				01/28/25 10:06	01/30/25 00:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4800		100		mg/Kg			01/29/25 23:09	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-53702-13

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 18:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 18:02	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		01/28/25 10:00	01/29/25 18:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/28/25 10:00	01/29/25 18:02	1
o-Xylene	0.00388		0.00200		mg/Kg		01/28/25 10:00	01/29/25 18:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/28/25 10:00	01/29/25 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	01/28/25 10:00	01/29/25 18:02	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/28/25 10:00	01/29/25 18:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/29/25 18:02	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			01/30/25 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/30/25 00:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/30/25 00:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/30/25 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	01/28/25 10:06	01/30/25 00:25	1
o-Terphenyl	94		70 - 130	01/28/25 10:06	01/30/25 00:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1830		50.2		mg/Kg			01/29/25 23:15	5

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-53702-14

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:00	01/29/25 18:22	1
Toluene	0.00547		0.00198		mg/Kg		01/28/25 10:00	01/29/25 18:22	1
Ethylbenzene	0.00712	*1	0.00198		mg/Kg		01/28/25 10:00	01/29/25 18:22	1
m-Xylene & p-Xylene	0.0494		0.00396		mg/Kg		01/28/25 10:00	01/29/25 18:22	1
o-Xylene	0.0542		0.00198		mg/Kg		01/28/25 10:00	01/29/25 18:22	1
Xylenes, Total	0.104		0.00396		mg/Kg		01/28/25 10:00	01/29/25 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	01/28/25 10:00	01/29/25 18:22	1
1,4-Difluorobenzene (Surr)	75		70 - 130	01/28/25 10:00	01/29/25 18:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-53702-14

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.116		0.00396		mg/Kg			01/29/25 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	312		49.8		mg/Kg			01/30/25 00:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/30/25 00:40	1
Diesel Range Organics (Over C10-C28)	312		49.8		mg/Kg		01/28/25 10:06	01/30/25 00:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/30/25 00:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				01/28/25 10:06	01/30/25 00:40	1
o-Terphenyl	104		70 - 130				01/28/25 10:06	01/30/25 00:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		50.4		mg/Kg			01/30/25 04:24	5

Client Sample ID: T-2 (5.0')

Lab Sample ID: 880-53702-15

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:00	01/29/25 18:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:00	01/29/25 18:43	1
Ethylbenzene	<0.00198	U *1	0.00198		mg/Kg		01/28/25 10:00	01/29/25 18:43	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/28/25 10:00	01/29/25 18:43	1
o-Xylene	0.00309		0.00198		mg/Kg		01/28/25 10:00	01/29/25 18:43	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/28/25 10:00	01/29/25 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				01/28/25 10:00	01/29/25 18:43	1
1,4-Difluorobenzene (Surr)	96		70 - 130				01/28/25 10:00	01/29/25 18:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/29/25 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/30/25 00:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/30/25 00:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/30/25 00:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (5.0')

Lab Sample ID: 880-53702-15

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/30/25 00:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				01/28/25 10:06	01/30/25 00:56	1
o-Terphenyl	97		70 - 130				01/28/25 10:06	01/30/25 00:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.8		9.92		mg/Kg			01/30/25 04:42	1

Client Sample ID: T-2 (6.0')

Lab Sample ID: 880-53702-16

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:00	01/29/25 19:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:00	01/29/25 19:03	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		01/28/25 10:00	01/29/25 19:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/28/25 10:00	01/29/25 19:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:00	01/29/25 19:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/25 10:00	01/29/25 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				01/28/25 10:00	01/29/25 19:03	1
1,4-Difluorobenzene (Surr)	91		70 - 130				01/28/25 10:00	01/29/25 19:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/29/25 19:03	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			01/30/25 01:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/30/25 01:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/30/25 01:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/30/25 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				01/28/25 10:06	01/30/25 01:12	1
o-Terphenyl	97		70 - 130				01/28/25 10:06	01/30/25 01:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.3		10.1		mg/Kg			01/30/25 04:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (7.0')

Lab Sample ID: 880-53702-17

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 19:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 19:24	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		01/28/25 10:00	01/29/25 19:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/28/25 10:00	01/29/25 19:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 19:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/28/25 10:00	01/29/25 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	01/28/25 10:00	01/29/25 19:24	1
1,4-Difluorobenzene (Surr)	96		70 - 130	01/28/25 10:00	01/29/25 19:24	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			01/29/25 19:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/30/25 01:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/25 10:06	01/30/25 01:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/25 10:06	01/30/25 01:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/25 10:06	01/30/25 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	01/28/25 10:06	01/30/25 01:28	1
o-Terphenyl	94		70 - 130	01/28/25 10:06	01/30/25 01:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			01/30/25 04:54	1

Client Sample ID: T-2 (8.0')

Lab Sample ID: 880-53702-18

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 19:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 19:44	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		01/28/25 10:00	01/29/25 19:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/28/25 10:00	01/29/25 19:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 19:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/28/25 10:00	01/29/25 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	01/28/25 10:00	01/29/25 19:44	1
1,4-Difluorobenzene (Surr)	98		70 - 130	01/28/25 10:00	01/29/25 19:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (8.0')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-18
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/29/25 19:44	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			01/30/25 01:44	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/30/25 01:44	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/30/25 01:44	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/30/25 01:44	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	108		70 - 130				01/28/25 10:06	01/30/25 01:44	1	
o-Terphenyl	86		70 - 130				01/28/25 10:06	01/30/25 01:44	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	12.5		9.98		mg/Kg			01/30/25 05:00	1	

Client Sample ID: T-3 (0-1')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-19
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:00	01/29/25 20:05	1	
Toluene	0.0326		0.00199		mg/Kg		01/28/25 10:00	01/29/25 20:05	1	
Ethylbenzene	0.0231	*1	0.00199		mg/Kg		01/28/25 10:00	01/29/25 20:05	1	
m-Xylene & p-Xylene	0.611		0.00398		mg/Kg		01/28/25 10:00	01/29/25 20:05	1	
o-Xylene	0.159		0.00199		mg/Kg		01/28/25 10:00	01/29/25 20:05	1	
Xylenes, Total	0.770		0.00398		mg/Kg		01/28/25 10:00	01/29/25 20:05	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	192	S1+	70 - 130				01/28/25 10:00	01/29/25 20:05	1	
1,4-Difluorobenzene (Surr)	72		70 - 130				01/28/25 10:00	01/29/25 20:05	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	0.826		0.00398		mg/Kg			01/29/25 20:05	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	6660		49.7		mg/Kg			01/30/25 02:00	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	480		49.7		mg/Kg		01/28/25 10:06	01/30/25 02:00	1	
Diesel Range Organics (Over C10-C28)	6180		49.7		mg/Kg		01/28/25 10:06	01/30/25 02:00	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-53702-19

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/28/25 10:06	01/30/25 02:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	165	S1+	70 - 130				01/28/25 10:06	01/30/25 02:00	1
o-Terphenyl	127		70 - 130				01/28/25 10:06	01/30/25 02:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9920		199		mg/Kg			01/30/25 05:18	20

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-53702-20

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 20:25	1
Toluene	0.00434		0.00200		mg/Kg		01/28/25 10:00	01/29/25 20:25	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		01/28/25 10:00	01/29/25 20:25	1
m-Xylene & p-Xylene	0.0664		0.00399		mg/Kg		01/28/25 10:00	01/29/25 20:25	1
o-Xylene	0.0372		0.00200		mg/Kg		01/28/25 10:00	01/29/25 20:25	1
Xylenes, Total	0.104		0.00399		mg/Kg		01/28/25 10:00	01/29/25 20:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				01/28/25 10:00	01/29/25 20:25	1
1,4-Difluorobenzene (Surr)	89		70 - 130				01/28/25 10:00	01/29/25 20:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.108		0.00399		mg/Kg			01/29/25 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	78.1		49.8		mg/Kg			01/30/25 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/30/25 02:16	1
Diesel Range Organics (Over C10-C28)	78.1		49.8		mg/Kg		01/28/25 10:06	01/30/25 02:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/30/25 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				01/28/25 10:06	01/30/25 02:16	1
o-Terphenyl	108		70 - 130				01/28/25 10:06	01/30/25 02:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.8		9.92		mg/Kg			01/30/25 05:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-53702-21

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 17:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 17:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 17:06	1
m-Xylene & p-Xylene	0.00522		0.00401		mg/Kg		01/28/25 10:03	01/28/25 17:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 17:06	1
Xylenes, Total	0.00522		0.00401		mg/Kg		01/28/25 10:03	01/28/25 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/28/25 10:03	01/28/25 17:06	1
1,4-Difluorobenzene (Surr)	125		70 - 130	01/28/25 10:03	01/28/25 17:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00522		0.00401		mg/Kg			01/28/25 17:06	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			01/30/25 02:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/30/25 02:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/30/25 02:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:06	01/30/25 02:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				01/28/25 10:06	01/30/25 02:32	1
o-Terphenyl	106		70 - 130				01/28/25 10:06	01/30/25 02:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.1		10.1		mg/Kg			01/30/25 05:30	1

Client Sample ID: T-3 (3.0')

Lab Sample ID: 880-53702-22

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 17:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 17:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 17:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/28/25 10:03	01/28/25 17:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 17:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/28/25 10:03	01/28/25 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				01/28/25 10:03	01/28/25 17:26	1
1,4-Difluorobenzene (Surr)	119		70 - 130				01/28/25 10:03	01/28/25 17:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-3 (3.0')

Lab Sample ID: 880-53702-22

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/28/25 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/29/25 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/29/25 20:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/29/25 20:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/29/25 20:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				01/28/25 10:11	01/29/25 20:41	1
o-Terphenyl	64	S1-	70 - 130				01/28/25 10:11	01/29/25 20:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.8		9.94		mg/Kg			01/30/25 05:35	1

Client Sample ID: T-3 (4.0')

Lab Sample ID: 880-53702-23

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/28/25 10:03	01/28/25 17:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/28/25 10:03	01/28/25 17:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/28/25 10:03	01/28/25 17:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/28/25 10:03	01/28/25 17:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/28/25 10:03	01/28/25 17:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/28/25 10:03	01/28/25 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				01/28/25 10:03	01/28/25 17:47	1
1,4-Difluorobenzene (Surr)	121		70 - 130				01/28/25 10:03	01/28/25 17:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/28/25 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/29/25 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/29/25 21:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/29/25 21:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-3 (4.0')

Lab Sample ID: 880-53702-23

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/29/25 21:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				01/28/25 10:11	01/29/25 21:29	1
o-Terphenyl	66	S1-	70 - 130				01/28/25 10:11	01/29/25 21:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.7		9.96		mg/Kg			01/30/25 05:41	1

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-53702-24

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/28/25 10:03	01/28/25 18:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/28/25 10:03	01/28/25 18:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/28/25 10:03	01/28/25 18:07	1
m-Xylene & p-Xylene	0.00444		0.00403		mg/Kg		01/28/25 10:03	01/28/25 18:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/28/25 10:03	01/28/25 18:07	1
Xylenes, Total	0.00444		0.00403		mg/Kg		01/28/25 10:03	01/28/25 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				01/28/25 10:03	01/28/25 18:07	1
1,4-Difluorobenzene (Surr)	122		70 - 130				01/28/25 10:03	01/28/25 18:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00444		0.00403		mg/Kg			01/28/25 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	108		49.8		mg/Kg			01/29/25 21:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/29/25 21:45	1
Diesel Range Organics (Over C10-C28)	108		49.8		mg/Kg		01/28/25 10:11	01/29/25 21:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/29/25 21:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				01/28/25 10:11	01/29/25 21:45	1
o-Terphenyl	69	S1-	70 - 130				01/28/25 10:11	01/29/25 21:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	380		9.92		mg/Kg			01/30/25 05:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-53702-25

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 18:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 18:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 18:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/28/25 10:03	01/28/25 18:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 18:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/25 10:03	01/28/25 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/28/25 10:03	01/28/25 18:28	1
1,4-Difluorobenzene (Surr)	126		70 - 130	01/28/25 10:03	01/28/25 18:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/28/25 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/29/25 22:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/28/25 10:11	01/29/25 22:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/28/25 10:11	01/29/25 22:00	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/28/25 10:11	01/29/25 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	01/28/25 10:11	01/29/25 22:00	1
o-Terphenyl	68	S1-	70 - 130	01/28/25 10:11	01/29/25 22:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.3		10.1		mg/Kg			01/30/25 06:05	1

Client Sample ID: T-4 (2.0')

Lab Sample ID: 880-53702-26

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:03	01/28/25 18:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:03	01/28/25 18:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:03	01/28/25 18:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/28/25 10:03	01/28/25 18:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:03	01/28/25 18:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/28/25 10:03	01/28/25 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	01/28/25 10:03	01/28/25 18:48	1
1,4-Difluorobenzene (Surr)	120		70 - 130	01/28/25 10:03	01/28/25 18:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-4 (2.0')

Lab Sample ID: 880-53702-26

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/28/25 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/29/25 22:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/29/25 22:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/29/25 22:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/29/25 22:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				01/28/25 10:11	01/29/25 22:17	1
o-Terphenyl	66	S1-	70 - 130				01/28/25 10:11	01/29/25 22:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.5		9.94		mg/Kg			01/30/25 06:11	1

Client Sample ID: T-4 (3.0')

Lab Sample ID: 880-53702-27

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 19:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 19:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 19:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/28/25 10:03	01/28/25 19:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 19:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/25 10:03	01/28/25 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				01/28/25 10:03	01/28/25 19:09	1
1,4-Difluorobenzene (Surr)	118		70 - 130				01/28/25 10:03	01/28/25 19:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/28/25 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/29/25 22:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/29/25 22:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/29/25 22:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-4 (3.0')

Lab Sample ID: 880-53702-27

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/29/25 22:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				01/28/25 10:11	01/29/25 22:32	1
o-Terphenyl	62	S1-	70 - 130				01/28/25 10:11	01/29/25 22:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.7		9.98		mg/Kg			01/30/25 06:29	1

Client Sample ID: T-4 (4.0')

Lab Sample ID: 880-53702-28

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 19:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 19:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 19:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/28/25 10:03	01/28/25 19:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 19:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/28/25 10:03	01/28/25 19:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				01/28/25 10:03	01/28/25 19:29	1
1,4-Difluorobenzene (Surr)	112		70 - 130				01/28/25 10:03	01/28/25 19:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/28/25 19:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/29/25 22:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/29/25 22:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/29/25 22:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/29/25 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				01/28/25 10:11	01/29/25 22:49	1
o-Terphenyl	68	S1-	70 - 130				01/28/25 10:11	01/29/25 22:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			01/30/25 06:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-53702-29

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/28/25 10:03	01/28/25 19:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/28/25 10:03	01/28/25 19:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/28/25 10:03	01/28/25 19:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/28/25 10:03	01/28/25 19:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/28/25 10:03	01/28/25 19:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/28/25 10:03	01/28/25 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/28/25 10:03	01/28/25 19:50	1
1,4-Difluorobenzene (Surr)	111		70 - 130	01/28/25 10:03	01/28/25 19:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/28/25 19:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/29/25 23:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/29/25 23:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/29/25 23:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/29/25 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	01/28/25 10:11	01/29/25 23:05	1
o-Terphenyl	65	S1-	70 - 130	01/28/25 10:11	01/29/25 23:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8480		99.0		mg/Kg			01/30/25 06:40	10

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-53702-30

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 20:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 20:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 20:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/28/25 10:03	01/28/25 20:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 20:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/28/25 10:03	01/28/25 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/28/25 10:03	01/28/25 20:11	1
1,4-Difluorobenzene (Surr)	106		70 - 130	01/28/25 10:03	01/28/25 20:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-53702-30

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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			01/28/25 20:11	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			01/29/25 23:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/29/25 23:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/29/25 23:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/29/25 23:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				01/28/25 10:11	01/29/25 23:20	1
o-Terphenyl	65	S1-	70 - 130				01/28/25 10:11	01/29/25 23:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	371		10.1		mg/Kg			01/30/25 06:46	1

Client Sample ID: T-5 (2.0')

Lab Sample ID: 880-53702-31

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 21:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 21:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 21:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/28/25 10:03	01/28/25 21:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 21:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/28/25 10:03	01/28/25 21:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				01/28/25 10:03	01/28/25 21:45	1
1,4-Difluorobenzene (Surr)	110		70 - 130				01/28/25 10:03	01/28/25 21:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/28/25 21:45	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			01/29/25 23:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/29/25 23:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/29/25 23:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-5 (2.0')

Lab Sample ID: 880-53702-31

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/29/25 23:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				01/28/25 10:11	01/29/25 23:37	1
o-Terphenyl	71		70 - 130				01/28/25 10:11	01/29/25 23:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.9		9.94		mg/Kg			01/30/25 06:52	1

Client Sample ID: T-5 (3.0')

Lab Sample ID: 880-53702-32

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 22:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 22:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 22:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/28/25 10:03	01/28/25 22:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 22:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/25 10:03	01/28/25 22:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				01/28/25 10:03	01/28/25 22:05	1
1,4-Difluorobenzene (Surr)	108		70 - 130				01/28/25 10:03	01/28/25 22:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/28/25 22:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/30/25 00:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/30/25 00:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/30/25 00:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/30/25 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				01/28/25 10:11	01/30/25 00:08	1
o-Terphenyl	73		70 - 130				01/28/25 10:11	01/30/25 00:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		99.8		mg/Kg			01/30/25 06:58	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-53702-33

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 22:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 22:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 22:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/28/25 10:03	01/28/25 22:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 22:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/28/25 10:03	01/28/25 22:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/28/25 10:03	01/28/25 22:26	1
1,4-Difluorobenzene (Surr)	110		70 - 130	01/28/25 10:03	01/28/25 22:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/28/25 22:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/30/25 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/28/25 10:11	01/30/25 00:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/28/25 10:11	01/30/25 00:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/28/25 10:11	01/30/25 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	01/28/25 10:11	01/30/25 00:25	1
o-Terphenyl	71		70 - 130	01/28/25 10:11	01/30/25 00:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21900		498		mg/Kg			01/30/25 07:04	50

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-53702-34

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:03	01/28/25 22:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:03	01/28/25 22:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:03	01/28/25 22:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/28/25 10:03	01/28/25 22:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:03	01/28/25 22:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/28/25 10:03	01/28/25 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/28/25 10:03	01/28/25 22:46	1
1,4-Difluorobenzene (Surr)	104		70 - 130	01/28/25 10:03	01/28/25 22:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-53702-34

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/28/25 22:46	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			01/30/25 00:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/30/25 00:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/30/25 00:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/30/25 00:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				01/28/25 10:11	01/30/25 00:40	1
o-Terphenyl	67	S1-	70 - 130				01/28/25 10:11	01/30/25 00:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.3		9.94		mg/Kg			01/31/25 04:45	1

Client Sample ID: T-6 (2.0')

Lab Sample ID: 880-53702-35

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:03	01/28/25 23:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:03	01/28/25 23:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:03	01/28/25 23:07	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/28/25 10:03	01/28/25 23:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/28/25 10:03	01/28/25 23:07	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/28/25 10:03	01/28/25 23:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				01/28/25 10:03	01/28/25 23:07	1
1,4-Difluorobenzene (Surr)	102		70 - 130				01/28/25 10:03	01/28/25 23:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/28/25 23:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/30/25 00:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/30/25 00:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/30/25 00:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-6 (2.0')

Lab Sample ID: 880-53702-35

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/30/25 00:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				01/28/25 10:11	01/30/25 00:56	1
o-Terphenyl	67	S1-	70 - 130				01/28/25 10:11	01/30/25 00:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.8		9.92		mg/Kg			01/31/25 05:07	1

Client Sample ID: T-6 (3.0')

Lab Sample ID: 880-53702-36

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 23:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 23:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 23:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/28/25 10:03	01/28/25 23:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/28/25 23:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/25 10:03	01/28/25 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				01/28/25 10:03	01/28/25 23:27	1
1,4-Difluorobenzene (Surr)	107		70 - 130				01/28/25 10:03	01/28/25 23:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/28/25 23:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/30/25 01:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/30/25 01:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/30/25 01:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/30/25 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				01/28/25 10:11	01/30/25 01:12	1
o-Terphenyl	66	S1-	70 - 130				01/28/25 10:11	01/30/25 01:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.6		9.96		mg/Kg			01/31/25 05:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-53702-37

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 23:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 23:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 23:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/28/25 10:03	01/28/25 23:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 23:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/28/25 10:03	01/28/25 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	01/28/25 10:03	01/28/25 23:48	1
1,4-Difluorobenzene (Surr)	108		70 - 130	01/28/25 10:03	01/28/25 23:48	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			01/28/25 23:48	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			01/30/25 01:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/30/25 01:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/30/25 01:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/30/25 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	01/28/25 10:11	01/30/25 01:28	1
o-Terphenyl	67	S1-	70 - 130	01/28/25 10:11	01/30/25 01:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10800		199		mg/Kg			01/31/25 05:22	20

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-53702-38

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/29/25 00:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/29/25 00:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/29/25 00:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/28/25 10:03	01/29/25 00:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/29/25 00:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/28/25 10:03	01/29/25 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	01/28/25 10:03	01/29/25 00:08	1
1,4-Difluorobenzene (Surr)	108		70 - 130	01/28/25 10:03	01/29/25 00:08	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-53702-38

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/29/25 00:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/30/25 01:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/30/25 01:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/30/25 01:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/25 10:11	01/30/25 01:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				01/28/25 10:11	01/30/25 01:44	1
o-Terphenyl	67	S1-	70 - 130				01/28/25 10:11	01/30/25 01:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3770		50.1		mg/Kg			01/31/25 05:29	5

Client Sample ID: T-7 (2.0')

Lab Sample ID: 880-53702-39

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/29/25 00:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/29/25 00:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/29/25 00:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/28/25 10:03	01/29/25 00:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/25 10:03	01/29/25 00:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/25 10:03	01/29/25 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				01/28/25 10:03	01/29/25 00:29	1
1,4-Difluorobenzene (Surr)	111		70 - 130				01/28/25 10:03	01/29/25 00:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/29/25 00:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/30/25 02:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/30/25 02:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/30/25 02:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-7 (2.0')

Lab Sample ID: 880-53702-39

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:11	01/30/25 02:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				01/28/25 10:11	01/30/25 02:00	1
o-Terphenyl	67	S1-	70 - 130				01/28/25 10:11	01/30/25 02:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1910		49.8		mg/Kg			01/31/25 05:52	5

Client Sample ID: T-7 (3.0')

Lab Sample ID: 880-53702-40

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/29/25 00:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/29/25 00:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/29/25 00:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/28/25 10:03	01/29/25 00:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/29/25 00:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/28/25 10:03	01/29/25 00:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				01/28/25 10:03	01/29/25 00:49	1
1,4-Difluorobenzene (Surr)	108		70 - 130				01/28/25 10:03	01/29/25 00:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/29/25 00:49	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			01/30/25 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/30/25 02:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/30/25 02:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:11	01/30/25 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				01/28/25 10:11	01/30/25 02:16	1
o-Terphenyl	71		70 - 130				01/28/25 10:11	01/30/25 02:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	386		9.98		mg/Kg			01/31/25 05:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-7 (4.0')

Lab Sample ID: 880-53702-41

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:12	01/29/25 22:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:12	01/29/25 22:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:12	01/29/25 22:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/28/25 10:12	01/29/25 22:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:12	01/29/25 22:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/28/25 10:12	01/29/25 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	01/28/25 10:12	01/29/25 22:14	1
1,4-Difluorobenzene (Surr)	109		70 - 130	01/28/25 10:12	01/29/25 22:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/29/25 22:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/30/25 02:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/28/25 10:11	01/30/25 02:32	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/28/25 10:11	01/30/25 02:32	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/28/25 10:11	01/30/25 02:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	01/28/25 10:11	01/30/25 02:32	1
o-Terphenyl	71		70 - 130	01/28/25 10:11	01/30/25 02:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/31/25 06:07	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-53379-A-19 MB	Method Blank	96	109
880-53498-A-15-B MB	Method Blank	96	95
880-53698-A-41-B MS	Matrix Spike	84	93
880-53698-A-41-C MSD	Matrix Spike Duplicate	100	103
880-53702-1	T-1 (0-1')	124	109
880-53702-1 MS	T-1 (0-1')	22 S1-	5 S1-
880-53702-1 MSD	T-1 (0-1')	22 S1-	5 S1-
880-53702-2	T-1 (1.5')	92	68 S1-
880-53702-3	T-1 (2.0')	107	90
880-53702-4	T-1 (3.0')	97	81
880-53702-5	T-1 (4.0')	111	90
880-53702-6	T-1 (5.0')	95	99
880-53702-7	T-1 (6.0')	100	91
880-53702-8	T-1 (7.0')	115	89
880-53702-9	T-1 (8.0')	115	97
880-53702-10	T-2 (0-1')	293 S1+	94
880-53702-11	T-2 (1.5')	75	78
880-53702-12	T-2 (2.0')	98	97
880-53702-13	T-2 (3.0')	93	93
880-53702-14	T-2 (4.0')	84	75
880-53702-15	T-2 (5.0')	104	96
880-53702-16	T-2 (6.0')	107	91
880-53702-17	T-2 (7.0')	114	96
880-53702-18	T-2 (8.0')	105	98
880-53702-19	T-3 (0-1')	192 S1+	72
880-53702-20	T-3 (1.5')	116	89
880-53702-21	T-3 (2.0')	108	125
880-53702-21 MS	T-3 (2.0')	97	121
880-53702-21 MSD	T-3 (2.0')	94	119
880-53702-22	T-3 (3.0')	107	119
880-53702-23	T-3 (4.0')	104	121
880-53702-24	T-4 (0-1')	108	122
880-53702-25	T-4 (1.5')	108	126
880-53702-26	T-4 (2.0')	107	120
880-53702-27	T-4 (3.0')	107	118
880-53702-28	T-4 (4.0')	96	112
880-53702-29	T-5 (0-1')	98	111
880-53702-30	T-5 (1.5')	94	106
880-53702-31	T-5 (2.0')	95	110
880-53702-32	T-5 (3.0')	94	108
880-53702-33	T-6 (0-1')	96	110
880-53702-34	T-6 (1.5')	94	104
880-53702-35	T-6 (2.0')	94	102
880-53702-36	T-6 (3.0')	93	107
880-53702-37	T-7 (0-1')	88	108
880-53702-38	T-7 (1.5')	93	108
880-53702-39	T-7 (2.0')	94	111
880-53702-40	T-7 (3.0')	93	108
880-53702-41	T-7 (4.0')	109	109

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-53702-1

Project/Site: Riverbend 12-13 Federal Com 20H

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7606-A-11-C MS	Matrix Spike	117	89
890-7606-A-11-D MSD	Matrix Spike Duplicate	126	104
890-7609-A-1-G MS	Matrix Spike	99	99
890-7609-A-1-H MSD	Matrix Spike Duplicate	105	101
LCS 880-101363/1-A	Lab Control Sample	93	101
LCS 880-101364/1-A	Lab Control Sample	91	125
LCS 880-101368/1-A	Lab Control Sample	101	99
LCS 880-101430/1-A	Lab Control Sample	103	103
LCS 880-101553/1-A	Lab Control Sample	99	99
LCSD 880-101363/2-A	Lab Control Sample Dup	111	108
LCSD 880-101364/2-A	Lab Control Sample Dup	91	124
LCSD 880-101368/2-A	Lab Control Sample Dup	104	104
LCSD 880-101430/2-A	Lab Control Sample Dup	121	96
LCSD 880-101553/2-A	Lab Control Sample Dup	99	100
MB 880-101363/5-A	Method Blank	204 S1+	126
MB 880-101364/5-A	Method Blank	92	101
MB 880-101368/5-A	Method Blank	85	92
MB 880-101430/5-A	Method Blank	92	89
MB 880-101553/5-A	Method Blank	105	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-53698-A-42-B MS	Matrix Spike	68 S1-	61 S1-
880-53698-A-42-C MSD	Matrix Spike Duplicate	71	63 S1-
880-53702-1	T-1 (0-1')	165 S1+	138 S1+
880-53702-1 MS	T-1 (0-1')	178 S1+	143 S1+
880-53702-1 MSD	T-1 (0-1')	174 S1+	139 S1+
880-53702-2	T-1 (1.5')	125	103
880-53702-3	T-1 (2.0')	59 S1-	52 S1-
880-53702-4	T-1 (3.0')	122	102
880-53702-5	T-1 (4.0')	120	95
880-53702-6	T-1 (5.0')	128	103
880-53702-7	T-1 (6.0')	121	97
880-53702-8	T-1 (7.0')	145 S1+	116
880-53702-9	T-1 (8.0')	129	105
880-53702-10	T-2 (0-1')	266 S1+	335 S1+
880-53702-11	T-2 (1.5')	119	101
880-53702-12	T-2 (2.0')	126	102
880-53702-13	T-2 (3.0')	117	94
880-53702-14	T-2 (4.0')	125	104
880-53702-15	T-2 (5.0')	118	97
880-53702-16	T-2 (6.0')	120	97
880-53702-17	T-2 (7.0')	119	94

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-53702-1

Project/Site: Riverbend 12-13 Federal Com 20H

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-53702-18	T-2 (8.0')	108	86
880-53702-19	T-3 (0-1')	165 S1+	127
880-53702-20	T-3 (1.5')	132 S1+	108
880-53702-21	T-3 (2.0')	130	106
880-53702-22	T-3 (3.0')	70	64 S1-
880-53702-22 MS	T-3 (3.0')	67 S1-	68 S1-
880-53702-22 MSD	T-3 (3.0')	68 S1-	69 S1-
880-53702-23	T-3 (4.0')	72	66 S1-
880-53702-24	T-4 (0-1')	74	69 S1-
880-53702-25	T-4 (1.5')	75	68 S1-
880-53702-26	T-4 (2.0')	72	66 S1-
880-53702-27	T-4 (3.0')	68 S1-	62 S1-
880-53702-28	T-4 (4.0')	75	68 S1-
880-53702-29	T-5 (0-1')	71	65 S1-
880-53702-30	T-5 (1.5')	72	65 S1-
880-53702-31	T-5 (2.0')	77	71
880-53702-32	T-5 (3.0')	81	73
880-53702-33	T-6 (0-1')	77	71
880-53702-34	T-6 (1.5')	73	67 S1-
880-53702-35	T-6 (2.0')	74	67 S1-
880-53702-36	T-6 (3.0')	72	66 S1-
880-53702-37	T-7 (0-1')	74	67 S1-
880-53702-38	T-7 (1.5')	74	67 S1-
880-53702-39	T-7 (2.0')	75	67 S1-
880-53702-40	T-7 (3.0')	77	71
880-53702-41	T-7 (4.0')	78	71
890-7609-A-16-C MS	Matrix Spike	120	116
890-7609-A-16-D MSD	Matrix Spike Duplicate	124	123
LCS 880-101362/2-A	Lab Control Sample	115	106
LCS 880-101366/2-A	Lab Control Sample	125	118
LCS 880-101367/2-A	Lab Control Sample	82	85
LCS 880-101544/2-A	Lab Control Sample	124	116
LCSD 880-101362/3-A	Lab Control Sample Dup	109	99
LCSD 880-101366/3-A	Lab Control Sample Dup	121	111
LCSD 880-101367/3-A	Lab Control Sample Dup	84	89
LCSD 880-101544/3-A	Lab Control Sample Dup	129	121
MB 880-101362/1-A	Method Blank	55 S1-	53 S1-
MB 880-101366/1-A	Method Blank	144 S1+	117
MB 880-101367/1-A	Method Blank	92	84
MB 880-101544/1-A	Method Blank	170 S1+	140 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-53379-A-19 MB

Matrix: Solid

Analysis Batch: 101241

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			01/28/25 12:43	1
Toluene	<0.00200	U	0.00200		mg/Kg			01/28/25 12:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			01/28/25 12:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			01/28/25 12:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			01/28/25 12:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			01/28/25 12:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		01/28/25 12:43	1
1,4-Difluorobenzene (Surr)	109		70 - 130		01/28/25 12:43	1

Lab Sample ID: MB 880-101363/5-A

Matrix: Solid

Analysis Batch: 101438

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101363

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 11:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 11:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/28/25 10:00	01/29/25 11:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:00	01/29/25 11:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/28/25 10:00	01/29/25 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	204	S1+	70 - 130	01/28/25 10:00	01/29/25 11:58	1
1,4-Difluorobenzene (Surr)	126		70 - 130	01/28/25 10:00	01/29/25 11:58	1

Lab Sample ID: LCS 880-101363/1-A

Matrix: Solid

Analysis Batch: 101438

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09550		mg/Kg		95	70 - 130
Toluene	0.100	0.1033		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.07514		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	0.200	0.1861		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09164		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-101363/2-A

Matrix: Solid

Analysis Batch: 101438

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101363

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1016		mg/Kg		102	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-101363/2-A

Matrix: Solid

Analysis Batch: 101438

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101363

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD
							Limits	RPD	Limit
Toluene	0.100	0.1000		mg/Kg		100	70 - 130	3	35
Ethylbenzene	0.100	0.1096	*1	mg/Kg		110	70 - 130	37	35
m-Xylene & p-Xylene	0.200	0.2166		mg/Kg		108	70 - 130	15	35
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130	10	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-53702-1 MS

Matrix: Solid

Analysis Batch: 101438

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 101363

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	0.00688	F1	0.100	0.005929	F1	mg/Kg		-1	70 - 130	
Toluene	0.279	F1	0.100	0.07655	F1	mg/Kg		-203	70 - 130	
Ethylbenzene	0.0511	*1 F1	0.100	0.02325	F1	mg/Kg		-28	70 - 130	
m-Xylene & p-Xylene	0.560	F1	0.200	0.2040	F1	mg/Kg		-178	70 - 130	
o-Xylene	0.254	F1	0.100	0.1142	F1	mg/Kg		-139	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	22	S1-	70 - 130
1,4-Difluorobenzene (Surr)	5	S1-	70 - 130

Lab Sample ID: 880-53702-1 MSD

Matrix: Solid

Analysis Batch: 101438

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 101363

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD
									Limits	RPD	
Benzene	0.00688	F1	0.100	0.006195	F1	mg/Kg		-0.7	70 - 130	4	35
Toluene	0.279	F1	0.100	0.09925	F1	mg/Kg		-180	70 - 130	26	35
Ethylbenzene	0.0511	*1 F1	0.100	0.02442	F1	mg/Kg		-27	70 - 130	5	35
m-Xylene & p-Xylene	0.560	F1	0.200	0.2443	F1	mg/Kg		-158	70 - 130	18	35
o-Xylene	0.254	F1	0.100	0.1065	F1	mg/Kg		-147	70 - 130	7	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	22	S1-	70 - 130
1,4-Difluorobenzene (Surr)	5	S1-	70 - 130

Lab Sample ID: MB 880-101364/5-A

Matrix: Solid

Analysis Batch: 101241

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101364

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 16:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 16:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 16:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/28/25 10:03	01/28/25 16:44	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-101364/5-A

Matrix: Solid

Analysis Batch: 101241

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101364

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:03	01/28/25 16:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/28/25 10:03	01/28/25 16:44	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	92		70 - 130				01/28/25 10:03	01/28/25 16:44	1
1,4-Difluorobenzene (Surr)	101		70 - 130				01/28/25 10:03	01/28/25 16:44	1

Lab Sample ID: LCS 880-101364/1-A

Matrix: Solid

Analysis Batch: 101241

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101364

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits		
		Result	Qualifier						
Benzene	0.100	0.1040		mg/Kg		104	70 - 130		
Toluene	0.100	0.09222		mg/Kg		92	70 - 130		
Ethylbenzene	0.100	0.1010		mg/Kg		101	70 - 130		
m-Xylene & p-Xylene	0.200	0.2099		mg/Kg		105	70 - 130		
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130		
Surrogate	LCS	LCS	Limits				%Recovery	Qualifier	
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	91		70 - 130						
1,4-Difluorobenzene (Surr)	125		70 - 130						

Lab Sample ID: LCSD 880-101364/2-A

Matrix: Solid

Analysis Batch: 101241

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101364

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.09952		mg/Kg		100	70 - 130	4	35
Toluene	0.100	0.08761		mg/Kg		88	70 - 130	5	35
Ethylbenzene	0.100	0.09621		mg/Kg		96	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1997		mg/Kg		100	70 - 130	5	35
o-Xylene	0.100	0.09730		mg/Kg		97	70 - 130	5	35
Surrogate	LCSD	LCSD	Limits				%Recovery	Qualifier	
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	91		70 - 130						
1,4-Difluorobenzene (Surr)	124		70 - 130						

Lab Sample ID: 880-53702-21 MS

Matrix: Solid

Analysis Batch: 101241

Client Sample ID: T-3 (2.0')

Prep Type: Total/NA

Prep Batch: 101364

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.09043		mg/Kg		90	70 - 130		
Toluene	<0.00200	U	0.100	0.07940		mg/Kg		79	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.08502		mg/Kg		85	70 - 130		
m-Xylene & p-Xylene	0.00522		0.200	0.1780		mg/Kg		86	70 - 130		
o-Xylene	<0.00200	U	0.100	0.08739		mg/Kg		87	70 - 130		

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-53702-21 MS

Matrix: Solid

Analysis Batch: 101241

Client Sample ID: T-3 (2.0')

Prep Type: Total/NA

Prep Batch: 101364

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

Lab Sample ID: 880-53702-21 MSD

Matrix: Solid

Analysis Batch: 101241

Client Sample ID: T-3 (2.0')

Prep Type: Total/NA

Prep Batch: 101364

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08723		mg/Kg		87	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.07703		mg/Kg		77	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.08217		mg/Kg		82	70 - 130	3	35
m-Xylene & p-Xylene	0.00522		0.200	0.1710		mg/Kg		83	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.08414		mg/Kg		84	70 - 130	4	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: MB 880-101368/5-A

Matrix: Solid

Analysis Batch: 101440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101368

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:12	01/29/25 12:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:12	01/29/25 12:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:12	01/29/25 12:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/28/25 10:12	01/29/25 12:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 10:12	01/29/25 12:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/28/25 10:12	01/29/25 12:30	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	85		70 - 130	01/28/25 10:12	01/29/25 12:30	1			
1,4-Difluorobenzene (Surr)	92		70 - 130	01/28/25 10:12	01/29/25 12:30	1			

Lab Sample ID: LCS 880-101368/1-A

Matrix: Solid

Analysis Batch: 101440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08802		mg/Kg		88	70 - 130
Toluene	0.100	0.08563		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08531		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1842		mg/Kg		92	70 - 130
o-Xylene	0.100	0.08364		mg/Kg		84	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-101368/1-A

Matrix: Solid

Analysis Batch: 101440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101368

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

Lab Sample ID: LCSD 880-101368/2-A

Matrix: Solid

Analysis Batch: 101440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101368

			Spike	LCS	LCS				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.1028		mg/Kg		103	70 - 130	15	35
Toluene			0.100	0.09654		mg/Kg		97	70 - 130	12	35
Ethylbenzene			0.100	0.09664		mg/Kg		97	70 - 130	12	35
m-Xylene & p-Xylene			0.200	0.2083		mg/Kg		104	70 - 130	12	35
o-Xylene			0.100	0.09581		mg/Kg		96	70 - 130	14	35

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

Lab Sample ID: 880-53698-A-41-B MS

Matrix: Solid

Analysis Batch: 101440

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101368

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00200	U F2 F1	0.100	0.05357	F1	mg/Kg		54	70 - 130		
Toluene	<0.00200	U F2 F1	0.100	0.04365	F1	mg/Kg		44	70 - 130		
Ethylbenzene	<0.00200	U F2 F1	0.100	0.03534	F1	mg/Kg		35	70 - 130		
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.07326	F1	mg/Kg		37	70 - 130		
o-Xylene	<0.00200	U F2 F1	0.100	0.03402	F1	mg/Kg		34	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-53698-A-41-C MSD

Matrix: Solid

Analysis Batch: 101440

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101368

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F2 F1	0.100	0.09700	F2	mg/Kg		97	70 - 130	58	35
Toluene	<0.00200	U F2 F1	0.100	0.07390	F2	mg/Kg		74	70 - 130	51	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.05868	F2 F1	mg/Kg		59	70 - 130	50	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.1214	F2 F1	mg/Kg		61	70 - 130	49	35
o-Xylene	<0.00200	U F2 F1	0.100	0.05714	F2 F1	mg/Kg		57	70 - 130	51	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-53498-A-15-B MB

Matrix: Solid

Analysis Batch: 101436

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101430

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:50	01/29/25 16:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:50	01/29/25 16:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:50	01/29/25 16:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/29/25 09:50	01/29/25 16:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:50	01/29/25 16:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/29/25 09:50	01/29/25 16:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/29/25 09:50	01/29/25 16:18	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/29/25 09:50	01/29/25 16:18	1

Lab Sample ID: MB 880-101430/5-A

Matrix: Solid

Analysis Batch: 101436

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101430

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:19	01/29/25 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:19	01/29/25 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:19	01/29/25 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/29/25 08:19	01/29/25 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:19	01/29/25 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/29/25 08:19	01/29/25 11:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	01/29/25 08:19	01/29/25 11:27	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/29/25 08:19	01/29/25 11:27	1

Lab Sample ID: LCS 880-101430/1-A

Matrix: Solid

Analysis Batch: 101436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101430

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09762		mg/Kg		98	70 - 130
Toluene	0.100	0.09935		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09941		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1940		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09395		mg/Kg		94	70 - 130

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

Lab Sample ID: LCSD 880-101430/2-A

Matrix: Solid

Analysis Batch: 101436

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101430

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09811		mg/Kg		98	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-101430/2-A

Matrix: Solid

Analysis Batch: 101436

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101430

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
Toluene	0.100	0.1079		mg/Kg		108	70 - 130	8	35
Ethylbenzene	0.100	0.1139		mg/Kg		114	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.2104		mg/Kg		105	70 - 130	8	35
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130	10	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-7606-A-11-C MS

Matrix: Solid

Analysis Batch: 101436

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101430

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Benzene	<0.00200	U	0.100	0.09249		mg/Kg		92	70 - 130		
Toluene	<0.00200	U	0.100	0.1027		mg/Kg		103	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1076		mg/Kg		106	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2031		mg/Kg		102	70 - 130		
o-Xylene	<0.00200	U	0.100	0.09826		mg/Kg		98	70 - 130		

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-7606-A-11-D MSD

Matrix: Solid

Analysis Batch: 101436

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101430

	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	0.1004		mg/Kg		100	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.09961		mg/Kg		100	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.1142		mg/Kg		113	70 - 130	6	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2196		mg/Kg		110	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.1115		mg/Kg		111	70 - 130	13	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-101553/5-A

Matrix: Solid

Analysis Batch: 101546

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101553

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		01/30/25 08:27	01/30/25 11:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/30/25 08:27	01/30/25 11:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/30/25 08:27	01/30/25 11:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/30/25 08:27	01/30/25 11:24	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-101553/5-A

Matrix: Solid

Analysis Batch: 101546

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101553

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/30/25 08:27	01/30/25 11:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/30/25 08:27	01/30/25 11:24	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	105		70 - 130				01/30/25 08:27	01/30/25 11:24	1
1,4-Difluorobenzene (Surr)	94		70 - 130				01/30/25 08:27	01/30/25 11:24	1

Lab Sample ID: LCS 880-101553/1-A

Matrix: Solid

Analysis Batch: 101546

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101553

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits		
		Result	Qualifier						
Benzene	0.100	0.06260	*-	mg/Kg		63	70 - 130		
Toluene	0.100	0.06432	*-	mg/Kg		64	70 - 130		
Ethylbenzene	0.100	0.06558	*-	mg/Kg		66	70 - 130		
m-Xylene & p-Xylene	0.200	0.1250	*-	mg/Kg		63	70 - 130		
o-Xylene	0.100	0.06442	*-	mg/Kg		64	70 - 130		
Surrogate	LCS	LCS	Limits				%Recovery	Qualifier	
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	99		70 - 130						
1,4-Difluorobenzene (Surr)	99		70 - 130						

Lab Sample ID: LCSD 880-101553/2-A

Matrix: Solid

Analysis Batch: 101546

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101553

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.06199	*-	mg/Kg		62	70 - 130	1	35
Toluene	0.100	0.06388	*-	mg/Kg		64	70 - 130	1	35
Ethylbenzene	0.100	0.06450	*-	mg/Kg		64	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1224	*-	mg/Kg		61	70 - 130	2	35
o-Xylene	0.100	0.06454	*-	mg/Kg		65	70 - 130	0	35
Surrogate	LCSD	LCSD	Limits				%Recovery	Qualifier	
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	99		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 890-7609-A-1-G MS

Matrix: Solid

Analysis Batch: 101546

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101553

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U *	0.100	0.08421		mg/Kg		84	70 - 130		
Toluene	<0.00200	U *	0.100	0.08667		mg/Kg		87	70 - 130		
Ethylbenzene	0.00207	*-	0.100	0.08533		mg/Kg		83	70 - 130		
m-Xylene & p-Xylene	<0.00401	U *	0.200	0.1572		mg/Kg		77	70 - 130		
o-Xylene	0.00221	*-	0.100	0.07901		mg/Kg		77	70 - 130		

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: 890-7609-A-1-G MS

Matrix: Solid

Analysis Batch: 101546

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101553

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

Lab Sample ID: 890-7609-A-1-H MSD

Matrix: Solid

Analysis Batch: 101546

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101553

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *-	0.100	0.08841		mg/Kg		88	70 - 130	5	35
Toluene	<0.00200	U *-	0.100	0.08921		mg/Kg		89	70 - 130	3	35
Ethylbenzene	0.00207	*-	0.100	0.08960		mg/Kg		88	70 - 130	5	35
m-Xylene & p-Xylene	<0.00401	U *-	0.200	0.1657		mg/Kg		82	70 - 130	5	35
o-Xylene	0.00221	*-	0.100	0.09085		mg/Kg		89	70 - 130	14	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-101362/1-A

Matrix: Solid

Analysis Batch: 101720

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 09:59	01/31/25 17:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 09:59	01/31/25 17:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 09:59	01/31/25 17:30	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	55	S1-	70 - 130	01/28/25 09:59	01/31/25 17:30	1			
o-Terphenyl	53	S1-	70 - 130	01/28/25 09:59	01/31/25 17:30	1			

Lab Sample ID: LCS 880-101362/2-A

Matrix: Solid

Analysis Batch: 101720

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101362

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	948.2		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	906.7		mg/Kg		91	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	106		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-101362/3-A

Matrix: Solid

Analysis Batch: 101720

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101362

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	890.0		mg/Kg		89	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	835.8		mg/Kg		84	70 - 130	8	20
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	109		70 - 130						
o-Terphenyl	99		70 - 130						

Lab Sample ID: 880-53698-A-42-B MS

Matrix: Solid

Analysis Batch: 101720

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	734.1		mg/Kg		73	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	705.6		mg/Kg		71	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	68	S1-	70 - 130								
o-Terphenyl	61	S1-	70 - 130								

Lab Sample ID: 880-53698-A-42-C MSD

Matrix: Solid

Analysis Batch: 101720

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	763.2		mg/Kg		76	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	725.7		mg/Kg		73	70 - 130	3	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	71		70 - 130								
o-Terphenyl	63	S1-	70 - 130								

Lab Sample ID: MB 880-101366/1-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/29/25 19:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/29/25 19:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:06	01/29/25 19:54	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-101366/1-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101366

Surrogate	MB MB		Limits	Prepared		Dil Fac
	%Recovery	Qualifier			Analyzed	
1-Chlorooctane	144	S1+	70 - 130	01/28/25 10:06	01/29/25 19:54	1
o-Terphenyl	117		70 - 130	01/28/25 10:06	01/29/25 19:54	1

Lab Sample ID: LCS 880-101366/2-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101366

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1107		mg/Kg		111	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1096		mg/Kg		110	70 - 130	
Surrogate	LCS LCS		Limits					
	%Recovery	Qualifier						
1-Chlorooctane	125		70 - 130					
o-Terphenyl	118		70 - 130					

Lab Sample ID: LCSD 880-101366/3-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101366

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1074		mg/Kg		107	70 - 130		3	20
Diesel Range Organics (Over C10-C28)	1000	1037		mg/Kg		104	70 - 130		5	20
Surrogate	LCSD LCSD		Limits							
	%Recovery	Qualifier								
1-Chlorooctane	121		70 - 130							
o-Terphenyl	111		70 - 130							

Lab Sample ID: 880-53702-1 MS

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 101366

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1030		996	2218		mg/Kg		120	70 - 130	
Diesel Range Organics (Over C10-C28)	2810		996	3930		mg/Kg		112	70 - 130	
Surrogate	MS MS		Limits							
	%Recovery	Qualifier								
1-Chlorooctane	178	S1+	70 - 130							
o-Terphenyl	143	S1+	70 - 130							

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-53702-1 MSD

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 101366

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1030		996	2230		mg/Kg		121	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	2810		996	3830		mg/Kg		102	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	174	S1+	70 - 130								
o-Terphenyl	139	S1+	70 - 130								

Lab Sample ID: MB 880-101367/1-A

Matrix: Solid

Analysis Batch: 101477

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101367

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:10	01/29/25 19:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 10:10	01/29/25 19:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:10	01/29/25 19:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				01/28/25 10:10	01/29/25 19:54	1
o-Terphenyl	84		70 - 130				01/28/25 10:10	01/29/25 19:54	1

Lab Sample ID: LCS 880-101367/2-A

Matrix: Solid

Analysis Batch: 101477

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101367

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	767.1		mg/Kg		77	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	757.3		mg/Kg		76	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	82		70 - 130						
o-Terphenyl	85		70 - 130						

Lab Sample ID: LCSD 880-101367/3-A

Matrix: Solid

Analysis Batch: 101477

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101367

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	786.1		mg/Kg		79	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	787.9		mg/Kg		79	70 - 130	4	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-101367/3-A

Matrix: Solid

Analysis Batch: 101477

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101367

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-53702-22 MS

Matrix: Solid

Analysis Batch: 101477

Client Sample ID: T-3 (3.0')

Prep Type: Total/NA

Prep Batch: 101367

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	708.9		mg/Kg		71	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	756.9		mg/Kg		76	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	67	S1-	70 - 130							
o-Terphenyl	68	S1-	70 - 130							

Lab Sample ID: 880-53702-22 MSD

Matrix: Solid

Analysis Batch: 101477

Client Sample ID: T-3 (3.0')

Prep Type: Total/NA

Prep Batch: 101367

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	733.2		mg/Kg		73	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	789.8		mg/Kg		79	70 - 130	4	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	68	S1-	70 - 130									
o-Terphenyl	69	S1-	70 - 130									

Lab Sample ID: MB 880-101544/1-A

Matrix: Solid

Analysis Batch: 101567

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101544

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/30/25 07:57	01/30/25 03:36	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/30/25 07:57	01/30/25 03:36	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/30/25 07:57	01/30/25 03:36	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	170	S1+	70 - 130				01/30/25 07:57	01/30/25 03:36	1		
o-Terphenyl	140	S1+	70 - 130				01/30/25 07:57	01/30/25 03:36	1		

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-101544/2-A

Matrix: Solid

Analysis Batch: 101567

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101544

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1075		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1077		mg/Kg		108	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	124		70 - 130				
o-Terphenyl	116		70 - 130				

Lab Sample ID: LCSD 880-101544/3-A

Matrix: Solid

Analysis Batch: 101567

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101544

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1095		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1135		mg/Kg		113	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	129		70 - 130						
o-Terphenyl	121		70 - 130						

Lab Sample ID: 890-7609-A-16-C MS

Matrix: Solid

Analysis Batch: 101567

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101544

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	995	971.8		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	995	1026		mg/Kg		103	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	120		70 - 130						
o-Terphenyl	116		70 - 130						

Lab Sample ID: 890-7609-A-16-D MSD

Matrix: Solid

Analysis Batch: 101567

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101544

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	995	988.0		mg/Kg		99	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	995	1079		mg/Kg		108	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	124		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

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

Lab Sample ID: 890-7609-A-16-D MSD
Matrix: Solid
Analysis Batch: 101567

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 101544

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	123		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-101399/1-A
Matrix: Solid
Analysis Batch: 101503

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<10.0	U	10.0		mg/Kg			01/29/25 20:18		1

Lab Sample ID: LCS 880-101399/2-A
Matrix: Solid
Analysis Batch: 101503

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte		Spike	LCS	LCS				%Rec		
		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride		250	253.2		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-101399/3-A
Matrix: Solid
Analysis Batch: 101503

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

Analyte		Spike	LCSD	LCSD				%Rec		RPD
		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride		250	253.5		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-53702-4 MS
Matrix: Solid
Analysis Batch: 101503

Client Sample ID: T-1 (3.0')
Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS				%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1110		249	1326	4	mg/Kg		87	90 - 110	

Lab Sample ID: 880-53702-4 MSD
Matrix: Solid
Analysis Batch: 101503

Client Sample ID: T-1 (3.0')
Prep Type: Soluble

Analyte	Sample	Sample	Spike	MSD	MSD				%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
Chloride	1110		249	1330	4	mg/Kg		89	90 - 110	0

Lab Sample ID: MB 880-101400/1-A
Matrix: Solid
Analysis Batch: 101504

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<10.0	U	10.0		mg/Kg			01/30/25 04:06		1

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-101400/2-A

Matrix: Solid

Analysis Batch: 101504

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.8		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-101400/3-A

Matrix: Solid

Analysis Batch: 101504

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.8		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-53702-14 MS

Matrix: Solid

Analysis Batch: 101504

Client Sample ID: T-2 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1000		1260	2352		mg/Kg		107	90 - 110

Lab Sample ID: 880-53702-14 MSD

Matrix: Solid

Analysis Batch: 101504

Client Sample ID: T-2 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1000		1260	2355		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-53702-24 MS

Matrix: Solid

Analysis Batch: 101504

Client Sample ID: T-4 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	380		248	615.4		mg/Kg		95	90 - 110

Lab Sample ID: 880-53702-24 MSD

Matrix: Solid

Analysis Batch: 101504

Client Sample ID: T-4 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	380		248	615.0		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-101401/1-A

Matrix: Solid

Analysis Batch: 101570

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/31/25 04:22	1

Lab Sample ID: LCS 880-101401/2-A

Matrix: Solid

Analysis Batch: 101570

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.7		mg/Kg		103	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-101401/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 101570											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	258.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-53702-34 MS				Client Sample ID: T-6 (1.5')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 101570											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	58.3		249	318.2		mg/Kg		105	90 - 110		

Lab Sample ID: 880-53702-34 MSD				Client Sample ID: T-6 (1.5')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 101570											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	58.3		249	319.2		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 101241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-21	T-3 (2.0')	Total/NA	Solid	8021B	101364
880-53702-22	T-3 (3.0')	Total/NA	Solid	8021B	101364
880-53702-23	T-3 (4.0')	Total/NA	Solid	8021B	101364
880-53702-24	T-4 (0-1')	Total/NA	Solid	8021B	101364
880-53702-25	T-4 (1.5')	Total/NA	Solid	8021B	101364
880-53702-26	T-4 (2.0')	Total/NA	Solid	8021B	101364
880-53702-27	T-4 (3.0')	Total/NA	Solid	8021B	101364
880-53702-28	T-4 (4.0')	Total/NA	Solid	8021B	101364
880-53702-29	T-5 (0-1')	Total/NA	Solid	8021B	101364
880-53702-30	T-5 (1.5')	Total/NA	Solid	8021B	101364
880-53702-31	T-5 (2.0')	Total/NA	Solid	8021B	101364
880-53702-32	T-5 (3.0')	Total/NA	Solid	8021B	101364
880-53702-33	T-6 (0-1')	Total/NA	Solid	8021B	101364
880-53702-34	T-6 (1.5')	Total/NA	Solid	8021B	101364
880-53702-35	T-6 (2.0')	Total/NA	Solid	8021B	101364
880-53702-36	T-6 (3.0')	Total/NA	Solid	8021B	101364
880-53702-37	T-7 (0-1')	Total/NA	Solid	8021B	101364
880-53702-38	T-7 (1.5')	Total/NA	Solid	8021B	101364
880-53702-39	T-7 (2.0')	Total/NA	Solid	8021B	101364
880-53702-40	T-7 (3.0')	Total/NA	Solid	8021B	101364
880-53379-A-19 MB	Method Blank	Total/NA	Solid	8021B	
MB 880-101364/5-A	Method Blank	Total/NA	Solid	8021B	101364
LCS 880-101364/1-A	Lab Control Sample	Total/NA	Solid	8021B	101364
LCSD 880-101364/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101364
880-53702-21 MS	T-3 (2.0')	Total/NA	Solid	8021B	101364
880-53702-21 MSD	T-3 (2.0')	Total/NA	Solid	8021B	101364

Prep Batch: 101363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-2	T-1 (1.5')	Total/NA	Solid	5035	
880-53702-3	T-1 (2.0')	Total/NA	Solid	5035	
880-53702-4	T-1 (3.0')	Total/NA	Solid	5035	
880-53702-5	T-1 (4.0')	Total/NA	Solid	5035	
880-53702-6	T-1 (5.0')	Total/NA	Solid	5035	
880-53702-7	T-1 (6.0')	Total/NA	Solid	5035	
880-53702-8	T-1 (7.0')	Total/NA	Solid	5035	
880-53702-9	T-1 (8.0')	Total/NA	Solid	5035	
880-53702-11	T-2 (1.5')	Total/NA	Solid	5035	
880-53702-12	T-2 (2.0')	Total/NA	Solid	5035	
880-53702-13	T-2 (3.0')	Total/NA	Solid	5035	
880-53702-14	T-2 (4.0')	Total/NA	Solid	5035	
880-53702-15	T-2 (5.0')	Total/NA	Solid	5035	
880-53702-16	T-2 (6.0')	Total/NA	Solid	5035	
880-53702-17	T-2 (7.0')	Total/NA	Solid	5035	
880-53702-18	T-2 (8.0')	Total/NA	Solid	5035	
880-53702-19	T-3 (0-1')	Total/NA	Solid	5035	
880-53702-20	T-3 (1.5')	Total/NA	Solid	5035	
MB 880-101363/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101363/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101363/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53702-1 MS	T-1 (0-1')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 101363 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 101364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-21	T-3 (2.0')	Total/NA	Solid	5035	
880-53702-22	T-3 (3.0')	Total/NA	Solid	5035	
880-53702-23	T-3 (4.0')	Total/NA	Solid	5035	
880-53702-24	T-4 (0-1')	Total/NA	Solid	5035	
880-53702-25	T-4 (1.5')	Total/NA	Solid	5035	
880-53702-26	T-4 (2.0')	Total/NA	Solid	5035	
880-53702-27	T-4 (3.0')	Total/NA	Solid	5035	
880-53702-28	T-4 (4.0')	Total/NA	Solid	5035	
880-53702-29	T-5 (0-1')	Total/NA	Solid	5035	
880-53702-30	T-5 (1.5')	Total/NA	Solid	5035	
880-53702-31	T-5 (2.0')	Total/NA	Solid	5035	
880-53702-32	T-5 (3.0')	Total/NA	Solid	5035	
880-53702-33	T-6 (0-1')	Total/NA	Solid	5035	
880-53702-34	T-6 (1.5')	Total/NA	Solid	5035	
880-53702-35	T-6 (2.0')	Total/NA	Solid	5035	
880-53702-36	T-6 (3.0')	Total/NA	Solid	5035	
880-53702-37	T-7 (0-1')	Total/NA	Solid	5035	
880-53702-38	T-7 (1.5')	Total/NA	Solid	5035	
880-53702-39	T-7 (2.0')	Total/NA	Solid	5035	
880-53702-40	T-7 (3.0')	Total/NA	Solid	5035	
MB 880-101364/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101364/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101364/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53702-21 MS	T-3 (2.0')	Total/NA	Solid	5035	
880-53702-21 MSD	T-3 (2.0')	Total/NA	Solid	5035	

Prep Batch: 101368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-41	T-7 (4.0')	Total/NA	Solid	5035	
MB 880-101368/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101368/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101368/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53698-A-41-B MS	Matrix Spike	Total/NA	Solid	5035	
880-53698-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 101430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-1	T-1 (0-1')	Total/NA	Solid	5035	
880-53498-A-15-B MB	Method Blank	Total/NA	Solid	5035	
MB 880-101430/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101430/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101430/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7606-A-11-C MS	Matrix Spike	Total/NA	Solid	5035	
890-7606-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 101436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-1	T-1 (0-1')	Total/NA	Solid	8021B	101430
880-53498-A-15-B MB	Method Blank	Total/NA	Solid	8021B	101430
MB 880-101430/5-A	Method Blank	Total/NA	Solid	8021B	101430
LCS 880-101430/1-A	Lab Control Sample	Total/NA	Solid	8021B	101430
LCSD 880-101430/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101430
890-7606-A-11-C MS	Matrix Spike	Total/NA	Solid	8021B	101430
890-7606-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	101430

Analysis Batch: 101438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-2	T-1 (1.5')	Total/NA	Solid	8021B	101363
880-53702-3	T-1 (2.0')	Total/NA	Solid	8021B	101363
880-53702-4	T-1 (3.0')	Total/NA	Solid	8021B	101363
880-53702-5	T-1 (4.0')	Total/NA	Solid	8021B	101363
880-53702-6	T-1 (5.0')	Total/NA	Solid	8021B	101363
880-53702-7	T-1 (6.0')	Total/NA	Solid	8021B	101363
880-53702-8	T-1 (7.0')	Total/NA	Solid	8021B	101363
880-53702-9	T-1 (8.0')	Total/NA	Solid	8021B	101363
880-53702-11	T-2 (1.5')	Total/NA	Solid	8021B	101363
880-53702-12	T-2 (2.0')	Total/NA	Solid	8021B	101363
880-53702-13	T-2 (3.0')	Total/NA	Solid	8021B	101363
880-53702-14	T-2 (4.0')	Total/NA	Solid	8021B	101363
880-53702-15	T-2 (5.0')	Total/NA	Solid	8021B	101363
880-53702-16	T-2 (6.0')	Total/NA	Solid	8021B	101363
880-53702-17	T-2 (7.0')	Total/NA	Solid	8021B	101363
880-53702-18	T-2 (8.0')	Total/NA	Solid	8021B	101363
880-53702-19	T-3 (0-1')	Total/NA	Solid	8021B	101363
880-53702-20	T-3 (1.5')	Total/NA	Solid	8021B	101363
MB 880-101363/5-A	Method Blank	Total/NA	Solid	8021B	101363
LCS 880-101363/1-A	Lab Control Sample	Total/NA	Solid	8021B	101363
LCSD 880-101363/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101363
880-53702-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	101363
880-53702-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	101363

Analysis Batch: 101440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-41	T-7 (4.0')	Total/NA	Solid	8021B	101368
MB 880-101368/5-A	Method Blank	Total/NA	Solid	8021B	101368
LCS 880-101368/1-A	Lab Control Sample	Total/NA	Solid	8021B	101368
LCSD 880-101368/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101368
880-53698-A-41-B MS	Matrix Spike	Total/NA	Solid	8021B	101368
880-53698-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	101368

Analysis Batch: 101476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-53702-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-53702-3	T-1 (2.0')	Total/NA	Solid	Total BTEX	
880-53702-4	T-1 (3.0')	Total/NA	Solid	Total BTEX	
880-53702-5	T-1 (4.0')	Total/NA	Solid	Total BTEX	
880-53702-6	T-1 (5.0')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 101476 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-7	T-1 (6.0')	Total/NA	Solid	Total BTEX	
880-53702-8	T-1 (7.0')	Total/NA	Solid	Total BTEX	
880-53702-9	T-1 (8.0')	Total/NA	Solid	Total BTEX	
880-53702-10	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-53702-11	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-53702-12	T-2 (2.0')	Total/NA	Solid	Total BTEX	
880-53702-13	T-2 (3.0')	Total/NA	Solid	Total BTEX	
880-53702-14	T-2 (4.0')	Total/NA	Solid	Total BTEX	
880-53702-15	T-2 (5.0')	Total/NA	Solid	Total BTEX	
880-53702-16	T-2 (6.0')	Total/NA	Solid	Total BTEX	
880-53702-17	T-2 (7.0')	Total/NA	Solid	Total BTEX	
880-53702-18	T-2 (8.0')	Total/NA	Solid	Total BTEX	
880-53702-19	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-53702-20	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-53702-21	T-3 (2.0')	Total/NA	Solid	Total BTEX	
880-53702-22	T-3 (3.0')	Total/NA	Solid	Total BTEX	
880-53702-23	T-3 (4.0')	Total/NA	Solid	Total BTEX	
880-53702-24	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-53702-25	T-4 (1.5')	Total/NA	Solid	Total BTEX	
880-53702-26	T-4 (2.0')	Total/NA	Solid	Total BTEX	
880-53702-27	T-4 (3.0')	Total/NA	Solid	Total BTEX	
880-53702-28	T-4 (4.0')	Total/NA	Solid	Total BTEX	
880-53702-29	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-53702-30	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-53702-31	T-5 (2.0')	Total/NA	Solid	Total BTEX	
880-53702-32	T-5 (3.0')	Total/NA	Solid	Total BTEX	
880-53702-33	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-53702-34	T-6 (1.5')	Total/NA	Solid	Total BTEX	
880-53702-35	T-6 (2.0')	Total/NA	Solid	Total BTEX	
880-53702-36	T-6 (3.0')	Total/NA	Solid	Total BTEX	
880-53702-37	T-7 (0-1')	Total/NA	Solid	Total BTEX	
880-53702-38	T-7 (1.5')	Total/NA	Solid	Total BTEX	
880-53702-39	T-7 (2.0')	Total/NA	Solid	Total BTEX	
880-53702-40	T-7 (3.0')	Total/NA	Solid	Total BTEX	
880-53702-41	T-7 (4.0')	Total/NA	Solid	Total BTEX	

Analysis Batch: 101546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-10	T-2 (0-1')	Total/NA	Solid	8021B	101553
MB 880-101553/5-A	Method Blank	Total/NA	Solid	8021B	101553
LCS 880-101553/1-A	Lab Control Sample	Total/NA	Solid	8021B	101553
LCSD 880-101553/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101553
890-7609-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	101553
890-7609-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	101553

Prep Batch: 101553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-10	T-2 (0-1')	Total/NA	Solid	5035	
MB 880-101553/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101553/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101553/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 101553 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7609-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
890-7609-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 101362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-3	T-1 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-101362/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101362/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101362/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53698-A-42-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-53698-A-42-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 101366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-53702-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-53702-4	T-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-53702-5	T-1 (4.0')	Total/NA	Solid	8015NM Prep	
880-53702-6	T-1 (5.0')	Total/NA	Solid	8015NM Prep	
880-53702-7	T-1 (6.0')	Total/NA	Solid	8015NM Prep	
880-53702-8	T-1 (7.0')	Total/NA	Solid	8015NM Prep	
880-53702-9	T-1 (8.0')	Total/NA	Solid	8015NM Prep	
880-53702-11	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-53702-12	T-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-53702-13	T-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-53702-14	T-2 (4.0')	Total/NA	Solid	8015NM Prep	
880-53702-15	T-2 (5.0')	Total/NA	Solid	8015NM Prep	
880-53702-16	T-2 (6.0')	Total/NA	Solid	8015NM Prep	
880-53702-17	T-2 (7.0')	Total/NA	Solid	8015NM Prep	
880-53702-18	T-2 (8.0')	Total/NA	Solid	8015NM Prep	
880-53702-19	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-53702-20	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-53702-21	T-3 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-101366/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101366/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101366/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53702-1 MS	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-53702-1 MSD	T-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 101367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-22	T-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-53702-23	T-3 (4.0')	Total/NA	Solid	8015NM Prep	
880-53702-24	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-53702-25	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-53702-26	T-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-53702-27	T-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-53702-28	T-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-53702-29	T-5 (0-1')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 101367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-30	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-53702-31	T-5 (2.0')	Total/NA	Solid	8015NM Prep	
880-53702-32	T-5 (3.0')	Total/NA	Solid	8015NM Prep	
880-53702-33	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-53702-34	T-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-53702-35	T-6 (2.0')	Total/NA	Solid	8015NM Prep	
880-53702-36	T-6 (3.0')	Total/NA	Solid	8015NM Prep	
880-53702-37	T-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-53702-38	T-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-53702-39	T-7 (2.0')	Total/NA	Solid	8015NM Prep	
880-53702-40	T-7 (3.0')	Total/NA	Solid	8015NM Prep	
880-53702-41	T-7 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-101367/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101367/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53702-22 MS	T-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-53702-22 MSD	T-3 (3.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 101477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-22	T-3 (3.0')	Total/NA	Solid	8015B NM	101367
880-53702-23	T-3 (4.0')	Total/NA	Solid	8015B NM	101367
880-53702-24	T-4 (0-1')	Total/NA	Solid	8015B NM	101367
880-53702-25	T-4 (1.5')	Total/NA	Solid	8015B NM	101367
880-53702-26	T-4 (2.0')	Total/NA	Solid	8015B NM	101367
880-53702-27	T-4 (3.0')	Total/NA	Solid	8015B NM	101367
880-53702-28	T-4 (4.0')	Total/NA	Solid	8015B NM	101367
880-53702-29	T-5 (0-1')	Total/NA	Solid	8015B NM	101367
880-53702-30	T-5 (1.5')	Total/NA	Solid	8015B NM	101367
880-53702-31	T-5 (2.0')	Total/NA	Solid	8015B NM	101367
880-53702-32	T-5 (3.0')	Total/NA	Solid	8015B NM	101367
880-53702-33	T-6 (0-1')	Total/NA	Solid	8015B NM	101367
880-53702-34	T-6 (1.5')	Total/NA	Solid	8015B NM	101367
880-53702-35	T-6 (2.0')	Total/NA	Solid	8015B NM	101367
880-53702-36	T-6 (3.0')	Total/NA	Solid	8015B NM	101367
880-53702-37	T-7 (0-1')	Total/NA	Solid	8015B NM	101367
880-53702-38	T-7 (1.5')	Total/NA	Solid	8015B NM	101367
880-53702-39	T-7 (2.0')	Total/NA	Solid	8015B NM	101367
880-53702-40	T-7 (3.0')	Total/NA	Solid	8015B NM	101367
880-53702-41	T-7 (4.0')	Total/NA	Solid	8015B NM	101367
MB 880-101367/1-A	Method Blank	Total/NA	Solid	8015B NM	101367
LCS 880-101367/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101367
LCSD 880-101367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101367
880-53702-22 MS	T-3 (3.0')	Total/NA	Solid	8015B NM	101367
880-53702-22 MSD	T-3 (3.0')	Total/NA	Solid	8015B NM	101367

Analysis Batch: 101491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-1	T-1 (0-1')	Total/NA	Solid	8015B NM	101366
880-53702-2	T-1 (1.5')	Total/NA	Solid	8015B NM	101366
880-53702-4	T-1 (3.0')	Total/NA	Solid	8015B NM	101366

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 101491 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-5	T-1 (4.0')	Total/NA	Solid	8015B NM	101366
880-53702-6	T-1 (5.0')	Total/NA	Solid	8015B NM	101366
880-53702-7	T-1 (6.0')	Total/NA	Solid	8015B NM	101366
880-53702-8	T-1 (7.0')	Total/NA	Solid	8015B NM	101366
880-53702-9	T-1 (8.0')	Total/NA	Solid	8015B NM	101366
880-53702-11	T-2 (1.5')	Total/NA	Solid	8015B NM	101366
880-53702-12	T-2 (2.0')	Total/NA	Solid	8015B NM	101366
880-53702-13	T-2 (3.0')	Total/NA	Solid	8015B NM	101366
880-53702-14	T-2 (4.0')	Total/NA	Solid	8015B NM	101366
880-53702-15	T-2 (5.0')	Total/NA	Solid	8015B NM	101366
880-53702-16	T-2 (6.0')	Total/NA	Solid	8015B NM	101366
880-53702-17	T-2 (7.0')	Total/NA	Solid	8015B NM	101366
880-53702-18	T-2 (8.0')	Total/NA	Solid	8015B NM	101366
880-53702-19	T-3 (0-1')	Total/NA	Solid	8015B NM	101366
880-53702-20	T-3 (1.5')	Total/NA	Solid	8015B NM	101366
880-53702-21	T-3 (2.0')	Total/NA	Solid	8015B NM	101366
MB 880-101366/1-A	Method Blank	Total/NA	Solid	8015B NM	101366
LCS 880-101366/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101366
LCSD 880-101366/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101366
880-53702-1 MS	T-1 (0-1')	Total/NA	Solid	8015B NM	101366
880-53702-1 MSD	T-1 (0-1')	Total/NA	Solid	8015B NM	101366

Prep Batch: 101544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-10	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-101544/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101544/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101544/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7609-A-16-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7609-A-16-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 101567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-10	T-2 (0-1')	Total/NA	Solid	8015B NM	101544
MB 880-101544/1-A	Method Blank	Total/NA	Solid	8015B NM	101544
LCS 880-101544/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101544
LCSD 880-101544/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101544
890-7609-A-16-C MS	Matrix Spike	Total/NA	Solid	8015B NM	101544
890-7609-A-16-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	101544

Analysis Batch: 101592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-53702-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-53702-3	T-1 (2.0')	Total/NA	Solid	8015 NM	
880-53702-4	T-1 (3.0')	Total/NA	Solid	8015 NM	
880-53702-5	T-1 (4.0')	Total/NA	Solid	8015 NM	
880-53702-6	T-1 (5.0')	Total/NA	Solid	8015 NM	
880-53702-7	T-1 (6.0')	Total/NA	Solid	8015 NM	
880-53702-8	T-1 (7.0')	Total/NA	Solid	8015 NM	
880-53702-9	T-1 (8.0')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 101592 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-10	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-53702-11	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-53702-12	T-2 (2.0')	Total/NA	Solid	8015 NM	
880-53702-13	T-2 (3.0')	Total/NA	Solid	8015 NM	
880-53702-14	T-2 (4.0')	Total/NA	Solid	8015 NM	
880-53702-15	T-2 (5.0')	Total/NA	Solid	8015 NM	
880-53702-16	T-2 (6.0')	Total/NA	Solid	8015 NM	
880-53702-17	T-2 (7.0')	Total/NA	Solid	8015 NM	
880-53702-18	T-2 (8.0')	Total/NA	Solid	8015 NM	
880-53702-19	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-53702-20	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-53702-21	T-3 (2.0')	Total/NA	Solid	8015 NM	
880-53702-22	T-3 (3.0')	Total/NA	Solid	8015 NM	
880-53702-23	T-3 (4.0')	Total/NA	Solid	8015 NM	
880-53702-24	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-53702-25	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-53702-26	T-4 (2.0')	Total/NA	Solid	8015 NM	
880-53702-27	T-4 (3.0')	Total/NA	Solid	8015 NM	
880-53702-28	T-4 (4.0')	Total/NA	Solid	8015 NM	
880-53702-29	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-53702-30	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-53702-31	T-5 (2.0')	Total/NA	Solid	8015 NM	
880-53702-32	T-5 (3.0')	Total/NA	Solid	8015 NM	
880-53702-33	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-53702-34	T-6 (1.5')	Total/NA	Solid	8015 NM	
880-53702-35	T-6 (2.0')	Total/NA	Solid	8015 NM	
880-53702-36	T-6 (3.0')	Total/NA	Solid	8015 NM	
880-53702-37	T-7 (0-1')	Total/NA	Solid	8015 NM	
880-53702-38	T-7 (1.5')	Total/NA	Solid	8015 NM	
880-53702-39	T-7 (2.0')	Total/NA	Solid	8015 NM	
880-53702-40	T-7 (3.0')	Total/NA	Solid	8015 NM	
880-53702-41	T-7 (4.0')	Total/NA	Solid	8015 NM	

Analysis Batch: 101720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-3	T-1 (2.0')	Total/NA	Solid	8015B NM	101362
MB 880-101362/1-A	Method Blank	Total/NA	Solid	8015B NM	101362
LCS 880-101362/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101362
LCSD 880-101362/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101362
880-53698-A-42-B MS	Matrix Spike	Total/NA	Solid	8015B NM	101362
880-53698-A-42-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	101362

HPLC/IC

Leach Batch: 101399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-53702-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-53702-3	T-1 (2.0')	Soluble	Solid	DI Leach	
880-53702-4	T-1 (3.0')	Soluble	Solid	DI Leach	
880-53702-5	T-1 (4.0')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 101399 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-6	T-1 (5.0')	Soluble	Solid	DI Leach	
880-53702-7	T-1 (6.0')	Soluble	Solid	DI Leach	
880-53702-8	T-1 (7.0')	Soluble	Solid	DI Leach	
880-53702-9	T-1 (8.0')	Soluble	Solid	DI Leach	
880-53702-10	T-2 (0-1')	Soluble	Solid	DI Leach	
880-53702-11	T-2 (1.5')	Soluble	Solid	DI Leach	
880-53702-12	T-2 (2.0')	Soluble	Solid	DI Leach	
880-53702-13	T-2 (3.0')	Soluble	Solid	DI Leach	
MB 880-101399/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-101399/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-101399/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53702-4 MS	T-1 (3.0')	Soluble	Solid	DI Leach	
880-53702-4 MSD	T-1 (3.0')	Soluble	Solid	DI Leach	

Leach Batch: 101400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-14	T-2 (4.0')	Soluble	Solid	DI Leach	
880-53702-15	T-2 (5.0')	Soluble	Solid	DI Leach	
880-53702-16	T-2 (6.0')	Soluble	Solid	DI Leach	
880-53702-17	T-2 (7.0')	Soluble	Solid	DI Leach	
880-53702-18	T-2 (8.0')	Soluble	Solid	DI Leach	
880-53702-19	T-3 (0-1')	Soluble	Solid	DI Leach	
880-53702-20	T-3 (1.5')	Soluble	Solid	DI Leach	
880-53702-21	T-3 (2.0')	Soluble	Solid	DI Leach	
880-53702-22	T-3 (3.0')	Soluble	Solid	DI Leach	
880-53702-23	T-3 (4.0')	Soluble	Solid	DI Leach	
880-53702-24	T-4 (0-1')	Soluble	Solid	DI Leach	
880-53702-25	T-4 (1.5')	Soluble	Solid	DI Leach	
880-53702-26	T-4 (2.0')	Soluble	Solid	DI Leach	
880-53702-27	T-4 (3.0')	Soluble	Solid	DI Leach	
880-53702-28	T-4 (4.0')	Soluble	Solid	DI Leach	
880-53702-29	T-5 (0-1')	Soluble	Solid	DI Leach	
880-53702-30	T-5 (1.5')	Soluble	Solid	DI Leach	
880-53702-31	T-5 (2.0')	Soluble	Solid	DI Leach	
880-53702-32	T-5 (3.0')	Soluble	Solid	DI Leach	
880-53702-33	T-6 (0-1')	Soluble	Solid	DI Leach	
MB 880-101400/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-101400/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-101400/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53702-14 MS	T-2 (4.0')	Soluble	Solid	DI Leach	
880-53702-14 MSD	T-2 (4.0')	Soluble	Solid	DI Leach	
880-53702-24 MS	T-4 (0-1')	Soluble	Solid	DI Leach	
880-53702-24 MSD	T-4 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 101401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-34	T-6 (1.5')	Soluble	Solid	DI Leach	
880-53702-35	T-6 (2.0')	Soluble	Solid	DI Leach	
880-53702-36	T-6 (3.0')	Soluble	Solid	DI Leach	
880-53702-37	T-7 (0-1')	Soluble	Solid	DI Leach	
880-53702-38	T-7 (1.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 101401 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-39	T-7 (2.0')	Soluble	Solid	DI Leach	
880-53702-40	T-7 (3.0')	Soluble	Solid	DI Leach	
880-53702-41	T-7 (4.0')	Soluble	Solid	DI Leach	
MB 880-101401/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-101401/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-101401/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53702-34 MS	T-6 (1.5')	Soluble	Solid	DI Leach	
880-53702-34 MSD	T-6 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 101503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-1	T-1 (0-1')	Soluble	Solid	300.0	101399
880-53702-2	T-1 (1.5')	Soluble	Solid	300.0	101399
880-53702-3	T-1 (2.0')	Soluble	Solid	300.0	101399
880-53702-4	T-1 (3.0')	Soluble	Solid	300.0	101399
880-53702-5	T-1 (4.0')	Soluble	Solid	300.0	101399
880-53702-6	T-1 (5.0')	Soluble	Solid	300.0	101399
880-53702-7	T-1 (6.0')	Soluble	Solid	300.0	101399
880-53702-8	T-1 (7.0')	Soluble	Solid	300.0	101399
880-53702-9	T-1 (8.0')	Soluble	Solid	300.0	101399
880-53702-10	T-2 (0-1')	Soluble	Solid	300.0	101399
880-53702-11	T-2 (1.5')	Soluble	Solid	300.0	101399
880-53702-12	T-2 (2.0')	Soluble	Solid	300.0	101399
880-53702-13	T-2 (3.0')	Soluble	Solid	300.0	101399
MB 880-101399/1-A	Method Blank	Soluble	Solid	300.0	101399
LCS 880-101399/2-A	Lab Control Sample	Soluble	Solid	300.0	101399
LCSD 880-101399/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101399
880-53702-4 MS	T-1 (3.0')	Soluble	Solid	300.0	101399
880-53702-4 MSD	T-1 (3.0')	Soluble	Solid	300.0	101399

Analysis Batch: 101504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-14	T-2 (4.0')	Soluble	Solid	300.0	101400
880-53702-15	T-2 (5.0')	Soluble	Solid	300.0	101400
880-53702-16	T-2 (6.0')	Soluble	Solid	300.0	101400
880-53702-17	T-2 (7.0')	Soluble	Solid	300.0	101400
880-53702-18	T-2 (8.0')	Soluble	Solid	300.0	101400
880-53702-19	T-3 (0-1')	Soluble	Solid	300.0	101400
880-53702-20	T-3 (1.5')	Soluble	Solid	300.0	101400
880-53702-21	T-3 (2.0')	Soluble	Solid	300.0	101400
880-53702-22	T-3 (3.0')	Soluble	Solid	300.0	101400
880-53702-23	T-3 (4.0')	Soluble	Solid	300.0	101400
880-53702-24	T-4 (0-1')	Soluble	Solid	300.0	101400
880-53702-25	T-4 (1.5')	Soluble	Solid	300.0	101400
880-53702-26	T-4 (2.0')	Soluble	Solid	300.0	101400
880-53702-27	T-4 (3.0')	Soluble	Solid	300.0	101400
880-53702-28	T-4 (4.0')	Soluble	Solid	300.0	101400
880-53702-29	T-5 (0-1')	Soluble	Solid	300.0	101400
880-53702-30	T-5 (1.5')	Soluble	Solid	300.0	101400
880-53702-31	T-5 (2.0')	Soluble	Solid	300.0	101400
880-53702-32	T-5 (3.0')	Soluble	Solid	300.0	101400

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 101504 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-33	T-6 (0-1')	Soluble	Solid	300.0	101400
MB 880-101400/1-A	Method Blank	Soluble	Solid	300.0	101400
LCS 880-101400/2-A	Lab Control Sample	Soluble	Solid	300.0	101400
LCSD 880-101400/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101400
880-53702-14 MS	T-2 (4.0')	Soluble	Solid	300.0	101400
880-53702-14 MSD	T-2 (4.0')	Soluble	Solid	300.0	101400
880-53702-24 MS	T-4 (0-1')	Soluble	Solid	300.0	101400
880-53702-24 MSD	T-4 (0-1')	Soluble	Solid	300.0	101400

Analysis Batch: 101570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53702-34	T-6 (1.5')	Soluble	Solid	300.0	101401
880-53702-35	T-6 (2.0')	Soluble	Solid	300.0	101401
880-53702-36	T-6 (3.0')	Soluble	Solid	300.0	101401
880-53702-37	T-7 (0-1')	Soluble	Solid	300.0	101401
880-53702-38	T-7 (1.5')	Soluble	Solid	300.0	101401
880-53702-39	T-7 (2.0')	Soluble	Solid	300.0	101401
880-53702-40	T-7 (3.0')	Soluble	Solid	300.0	101401
880-53702-41	T-7 (4.0')	Soluble	Solid	300.0	101401
MB 880-101401/1-A	Method Blank	Soluble	Solid	300.0	101401
LCS 880-101401/2-A	Lab Control Sample	Soluble	Solid	300.0	101401
LCSD 880-101401/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101401
880-53702-34 MS	T-6 (1.5')	Soluble	Solid	300.0	101401
880-53702-34 MSD	T-6 (1.5')	Soluble	Solid	300.0	101401

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-53702-1

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101430	01/29/25 14:31	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	101436	01/29/25 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 19:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 20:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 20:41	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101503	01/29/25 21:41	CH	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-53702-2

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 12:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 12:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 21:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 21:29	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	101503	01/29/25 21:47	CH	EET MID

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-53702-3

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 13:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 13:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/31/25 23:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101362	01/28/25 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101720	01/31/25 23:42	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	101503	01/29/25 21:52	CH	EET MID

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-53702-4

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 13:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 13:28	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-53702-4

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			101592	01/29/25 21:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 21:45	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101503	01/29/25 21:58	CH	EET MID

Client Sample ID: T-1 (4.0')

Lab Sample ID: 880-53702-5

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 13:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 13:49	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 22:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 22:00	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101503	01/29/25 22:16	CH	EET MID

Client Sample ID: T-1 (5.0')

Lab Sample ID: 880-53702-6

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 14:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 22:17	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 22:17	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101503	01/29/25 22:22	CH	EET MID

Client Sample ID: T-1 (6.0')

Lab Sample ID: 880-53702-7

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 14:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 14:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 22:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 22:32	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (6.0')

Lab Sample ID: 880-53702-7

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101503	01/29/25 22:40	CH	EET MID

Client Sample ID: T-1 (7.0')

Lab Sample ID: 880-53702-8

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 14:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 22:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 22:49	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101503	01/29/25 22:46	CH	EET MID

Client Sample ID: T-1 (8.0')

Lab Sample ID: 880-53702-9

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 15:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 15:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 23:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 23:05	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101503	01/30/25 12:50	CH	EET MID

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-53702-10

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	101553	01/30/25 12:46	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	101546	01/30/25 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/30/25 18:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 14:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	101544	01/30/25 07:58	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	101567	01/30/25 14:33	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	101503	01/29/25 22:57	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (1.5')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 17:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 17:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 23:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 23:37	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101503	01/29/25 23:03	CH	EET MID

Client Sample ID: T-2 (2.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 17:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 17:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 00:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/30/25 00:08	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101503	01/29/25 23:09	CH	EET MID

Client Sample ID: T-2 (3.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 18:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 00:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/30/25 00:25	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	101503	01/29/25 23:15	CH	EET MID

Client Sample ID: T-2 (4.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 18:22	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (4.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			101592	01/30/25 00:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/30/25 00:40	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	101504	01/30/25 04:24	CH	EET MID

Client Sample ID: T-2 (5.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 18:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 00:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/30/25 00:56	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 04:42	CH	EET MID

Client Sample ID: T-2 (6.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 19:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 01:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/30/25 01:12	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 04:48	CH	EET MID

Client Sample ID: T-2 (7.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 19:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 19:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 01:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/30/25 01:28	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (7.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 04:54	CH	EET MID

Client Sample ID: T-2 (8.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 19:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 19:44	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 01:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/30/25 01:44	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 05:00	CH	EET MID

Client Sample ID: T-3 (0-1')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 20:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 20:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 02:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/30/25 02:00	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	101504	01/30/25 05:18	CH	EET MID

Client Sample ID: T-3 (1.5')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101363	01/28/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101438	01/29/25 20:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 02:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/30/25 02:16	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 05:23	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-3 (2.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 17:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 02:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101366	01/28/25 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/30/25 02:32	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 05:30	CH	EET MID

Client Sample ID: T-3 (3.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 17:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 20:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 20:41	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 05:35	CH	EET MID

Client Sample ID: T-3 (4.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 17:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 21:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 21:29	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 05:41	CH	EET MID

Client Sample ID: T-4 (0-1')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 18:07	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-4 (0-1')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			101592	01/29/25 21:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 21:45	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 05:47	CH	EET MID

Client Sample ID: T-4 (1.5')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 18:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 18:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 22:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 22:00	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 06:05	CH	EET MID

Client Sample ID: T-4 (2.0')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 18:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 22:17	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 22:17	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 06:11	CH	EET MID

Client Sample ID: T-4 (3.0')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 19:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 22:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 22:32	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-4 (3.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 06:29	CH	EET MID

Client Sample ID: T-4 (4.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 19:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 19:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 22:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 22:49	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 06:35	CH	EET MID

Client Sample ID: T-5 (0-1')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 19:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 19:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 23:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 23:05	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101504	01/30/25 06:40	CH	EET MID

Client Sample ID: T-5 (1.5')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 20:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 20:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 23:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 23:20	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 06:46	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-5 (2.0')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 21:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 21:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/29/25 23:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 23:37	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101504	01/30/25 06:52	CH	EET MID

Client Sample ID: T-5 (3.0')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 22:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 22:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 00:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/30/25 00:08	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101504	01/30/25 06:58	CH	EET MID

Client Sample ID: T-6 (0-1')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 22:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 22:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 00:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/30/25 00:25	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	101400	01/28/25 14:41	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	101504	01/30/25 07:04	CH	EET MID

Client Sample ID: T-6 (1.5')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 22:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 22:46	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-53702-34

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			101592	01/30/25 00:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/30/25 00:40	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101401	01/28/25 14:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101570	01/31/25 04:45	CH	EET MID

Client Sample ID: T-6 (2.0')

Lab Sample ID: 880-53702-35

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 23:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 23:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 00:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/30/25 00:56	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101401	01/28/25 14:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101570	01/31/25 05:07	CH	EET MID

Client Sample ID: T-6 (3.0')

Lab Sample ID: 880-53702-36

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 23:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 23:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 01:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/30/25 01:12	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	101401	01/28/25 14:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101570	01/31/25 05:15	CH	EET MID

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-53702-37

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/28/25 23:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/28/25 23:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 01:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/30/25 01:28	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-7 (0-1')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	101401	01/28/25 14:43	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	101570	01/31/25 05:22	CH	EET MID

Client Sample ID: T-7 (1.5')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-38

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/29/25 00:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 00:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 01:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/30/25 01:44	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	101401	01/28/25 14:43	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	101570	01/31/25 05:29	CH	EET MID

Client Sample ID: T-7 (2.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-39

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/29/25 00:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 00:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 02:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/30/25 02:00	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	101401	01/28/25 14:43	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	101570	01/31/25 05:52	CH	EET MID

Client Sample ID: T-7 (3.0')

Date Collected: 01/27/25 00:00

Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-40

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101364	01/28/25 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101241	01/29/25 00:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 00:49	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 02:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/30/25 02:16	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	101401	01/28/25 14:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101570	01/31/25 05:59	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Client Sample ID: T-7 (4.0')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53702-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101368	01/28/25 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101440	01/29/25 22:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101476	01/29/25 22:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101592	01/30/25 02:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101367	01/28/25 10:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/30/25 02:32	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	101401	01/28/25 14:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101570	01/31/25 06:07	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
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: Riverbend 12-13 Federal Com 20H

Job ID: 880-53702-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53702-1	T-1 (0-1')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-2	T-1 (1.5')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-3	T-1 (2.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-4	T-1 (3.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-5	T-1 (4.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-6	T-1 (5.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-7	T-1 (6.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-8	T-1 (7.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-9	T-1 (8.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-10	T-2 (0-1')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-11	T-2 (1.5')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-12	T-2 (2.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-13	T-2 (3.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-14	T-2 (4.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-15	T-2 (5.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-16	T-2 (6.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-17	T-2 (7.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-18	T-2 (8.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-19	T-3 (0-1')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-20	T-3 (1.5')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-21	T-3 (2.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-22	T-3 (3.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-23	T-3 (4.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-24	T-4 (0-1')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-25	T-4 (1.5')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-26	T-4 (2.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-27	T-4 (3.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-28	T-4 (4.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-29	T-5 (0-1')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-30	T-5 (1.5')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-31	T-5 (2.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-32	T-5 (3.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-33	T-6 (0-1')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-34	T-6 (1.5')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-35	T-6 (2.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-36	T-6 (3.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-37	T-7 (0-1')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-38	T-7 (1.5')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-39	T-7 (2.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-40	T-7 (3.0')	Solid	01/27/25 00:00	01/28/25 08:00
880-53702-41	T-7 (4.0')	Solid	01/27/25 00:00	01/28/25 08:00

Chain of Custody



880-53702 Chain of Custody

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

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RRC ☐ perfund ☐
State of Project:	
Reporting: Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other:

Project Name:		Riverbend 12-13 Federal Com 20H		Turn Around		ANALYSIS REQUEST																Preservative Codes									
Project Number:		2612		☒ Routine ☐ Rush																		None: NO DI Water: H ₂ O									
Project Location		Eddy Co, NM		Due Date:		Normal																		Cool: Cool MeOH: Me							
Sampler's Name:		GPJ																				HCL: HC HNO ₃ : HN									
PO #:																						H ₂ SO ₄ : H ₂ NaOH: Na									
SAMPLE RECEIPT		Temp Blank:		Yes ☐ No ☒		Wet Ice:		Yes ☐ No ☒																		H ₃ PO ₄ : HP					
Received Intact:		Yes ☐ No ☒		Thermometer ID:																				NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes ☐ No ☒ N/A		Correction Factor:																				Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes ☐ No ☒ N/A		Temperature Reading:		-4.1																		Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:		-4.2																		NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
T-1 (0-1')		1/27/2025				X				Grab/		1		X X X																	
T-1 (1.5')		1/27/2025				X				Grab/		1		X X X																	
T-1 (2.0')		1/27/2025				X				Grab/		1		X X X																	
T-1 (3.0')		1/27/2025				X				Grab/		1		X X X																	
T-1 (4.0')		1/27/2025				X				Grab/		1		X X X																	
T-1 (5.0')		1/27/2025				X				Grab/		1		X X X																	
T-1 (6.0')		1/27/2025				X				Grab/		1		X X X																	
T-1 (7.0')		1/27/2025				X				Grab/		1		X X X																	
T-1 (8.0')		1/27/2025				X				Grab/		1		X X X																	
T-2 (0-1')		1/27/2025				X				Grab/		1		X X X																	

Comments:			
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Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		1/29/25 5800				1/29 8500	

Chain of Custody

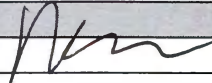
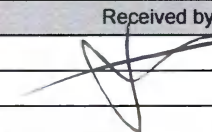
Work Order No: 702Page 2 of 5

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

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:	
Reporting: Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other:

Project Name:		Turn Around		ANALYSIS REQUEST												Preservative Codes				
Project Number:	2612	☒ Routine ☐ Rush		Pres. Code													None: NO	DI Water: H ₂ O		
Project Location	Eddy Co, NM	Due Date:	Normal	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0										Cool: Cool	MeOH: Me		
Sampler's Name:	GPJ																HCL: HC	HNO ₃ : HN		
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes No														Wet Ice:	Yes No	H ₃ PO ₄ : HP	
Received Intact:	Yes No	Thermometer ID:																	NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes No N/A	Correction Factor:				Na ₂ S ₂ O ₃ : NaSO ₃														
Sample Custody Seals:	Yes No N/A	Temperature Reading:				Zn Acetate+NaOH: Zn														
Total Containers:		Corrected Temperature:				NaOH+Ascorbic Acid: SAPC														
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
T-2 (1.5')	1/27/2025		X		Grab/	1	X	X	X											
T-2 (2.0')	1/27/2025		X		Grab/	1	X	X	X											
T-2 (3.0')	1/27/2025		X		Grab/	1	X	X	X											
T-2 (4.0')	1/27/2025		X		Grab/	1	X	X	X											
T-2 (5.0')	1/27/2025		X		Grab/	1	X	X	X											
T-2 (6.0')	1/27/2025		X		Grab/	1	X	X	X											
T-2 (7.0')	1/27/2025		X		Grab/	1	X	X	X											
T-2 (8.0')	1/27/2025		X		Grab/	1	X	X	X											
T-3 (0-1')	1/27/2025		X		Grab/	1	X	X	X											
T-3 (1.5')	1/27/2025		X		Grab/	1	X	X	X											

Comments:	
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Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/24/25 0800		1/28 800

Chain of Custody

Work Order No: 702

Page 3 of 5

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

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐
State of Project:	
Reporting: Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other:

Project Name:		Riverbend 12-13 Federal Com 20H		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		2612		☒ Routine ☐ Rush		Pres. Code														None: NO DI Water: H ₂ O							
Project Location		Eddy Co, NM		Due Date:		Normal														Cool: Cool MeOH: Me							
Sampler's Name:		GPJ																		HCL: HC HNO ₃ : HN							
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No														H ₃ PO ₄ : HP					
Received Intact:		Yes No		Thermometer ID:																NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes No N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes No N/A		Temperature Reading:																Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
T-3 (2.0')		1/27/2025				X				Grab/		1		X X X													
T-3 (3.0')		1/27/2025				X				Grab/		1		X X X													
T-3 (4.0')		1/27/2025				X				Grab/		1		X X X													
T-4 (0-1')		1/27/2025				X				Grab/		1		X X X													
T-4 (1.5')		1/27/2025				X				Grab/		1		X X X													
T-4 (2.0')		1/27/2025				X				Grab/		1		X X X													
T-4 (3.0')		1/27/2025				X				Grab/		1		X X X													
T-4 (4.0')		1/27/2025				X				Grab/		1		X X X													
T-5 (0-1')		1/27/2025				X				Grab/		1		X X X													
T-5 (1.5')		1/27/2025				X				Grab/		1		X X X													

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/28/25 0800		1/28 800

Chain of Custody

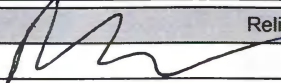
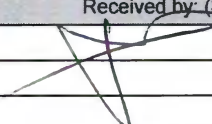
Work Order No: 702Page 4 of 5

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

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ Perfund ☐
State of Project:	
Reporting: Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other:

Project Name:		Riverbend 12-13 Federal Com 20H		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes						
Project Number:	2612	☒ Routine	☐ Rush	Due Date:	Normal		Parameters	BTX 8021B	TPH 8016M (GRO + DRO + MRO)	Chloride 300.0	Hold																	None: NO	DI Water: H ₂ O
Project Location	Eddy Co, NM																	Cool: Cool	MeOH: Me										
Sampler's Name:	GPJ																	HCL: HC	HNO ₃ : HN										
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na										
SAMPLE RECEIPT		Temp Blank:		Yes	No	Wet Ice:		Yes	No																	H ₃ PO ₄ : HP			
Received Intact:		Yes	No	Thermometer ID:																		NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes	No	N/A	Correction Factor:																		Na ₂ S ₂ O ₃ : NaSO ₃						
Sample Custody Seals:		Yes	No	N/A	Temperature Reading:																		Zn Acetate+NaOH: Zn						
Total Containers:				Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments					
T-5 (2.0')		1/27/2025		X		Grab/	1	X	X	X																			
T-5 (3.0')		1/27/2025		X		Grab/	1	X	X	X																			
T-6 (0-1')		1/27/2025		X		Grab/	1	X	X	X																			
T-6 (1.5')		1/27/2025		X		Grab/	1	X	X	X																			
T-6 (2.0')		1/27/2025		X		Grab/	1	X	X	X																			
T-6 (3.0')		1/27/2025		X		Grab/	1	X	X	X																			
T-7 (0-1')		1/27/2025		X		Grab/	1	X	X	X																			
T-7 (1.5')		1/27/2025		X		Grab/	1	X	X	X																			
T-7 (2.0')		1/27/2025		X		Grab/	1	X	X	X																			
T-7 (3.0')		1/27/2025		X		Grab/	1	X	X	X																			

Comments:			

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/28/25 0800		1/28 800

Work Order No: 702

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

Work Order Comments					
Program:	UST/PST	☐ PRP	☐ Brownfields	☐ RC	☐ perfund
State of Project:					
Reporting:	Level II	☐ Level III	☐ ST/UST	☐ RRP	☐ Level IV
Deliverables:	EDD	☐	ADaPT	☐	Other:

[illegible]

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/28/25 0800		1/28 800

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53702-1

SDG Number: Eddy Co, NM

Login Number: 53702

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/3/2025 1:09:17 PM

JOB DESCRIPTION

Riverbend 12-13 Federal Com 20H
Eddy Co, NM

JOB NUMBER

880-53701-1

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
2/3/2025 1:09:17 PM

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

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Laboratory Job ID: 880-53701-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

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
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1

Job ID: 880-53701-1

Eurofins Midland

Job Narrative 880-53701-1

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 1/28/2025 8:00 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 -4.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-1') (880-53701-1), H-2 (0-1') (880-53701-2), H-3 (0-1') (880-53701-3), H-4 (0-1') (880-53701-4), H-5 (0-1') (880-53701-5) and H-6 (0-1') (880-53701-6).

GC VOA

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: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: H-5 (0-1') (880-53701-5), H-6 (0-1') (880-53701-6), (880-53701-A-3-B MS) and (880-53701-A-3-C MSD). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-3 (0-1') (880-53701-3) and H-4 (0-1') (880-53701-4). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-101362 and analytical batch 880-101720 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: H-1 (0-1') (880-53701-1), H-2 (0-1') (880-53701-2), (880-53698-A-42-A) and (880-53698-A-42-B MS). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-53698-A-42-C MSD). 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

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-53701-1

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 17:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 17:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 17:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/28/25 08:15	01/28/25 17:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 17:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/25 08:15	01/28/25 17:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				01/28/25 08:15	01/28/25 17:18	1
1,4-Difluorobenzene (Surr)	98		70 - 130				01/28/25 08:15	01/28/25 17:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/28/25 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/31/25 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 09:59	01/31/25 23:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 09:59	01/31/25 23:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 09:59	01/31/25 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	62	S1-	70 - 130				01/28/25 09:59	01/31/25 23:12	1
o-Terphenyl	55	S1-	70 - 130				01/28/25 09:59	01/31/25 23:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.2		10.1		mg/Kg			01/29/25 20:54	1

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

Lab Sample ID: 880-53701-2

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 17:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 17:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 17:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/28/25 08:15	01/28/25 17:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 17:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/25 08:15	01/28/25 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				01/28/25 08:15	01/28/25 17:38	1
1,4-Difluorobenzene (Surr)	98		70 - 130				01/28/25 08:15	01/28/25 17:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-53701-2

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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			01/28/25 17:38	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			01/31/25 23:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 09:59	01/31/25 23:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/25 09:59	01/31/25 23:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 09:59	01/31/25 23:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130				01/28/25 09:59	01/31/25 23:28	1
o-Terphenyl	55	S1-	70 - 130				01/28/25 09:59	01/31/25 23:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.7		10.1		mg/Kg			01/29/25 20:59	1

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

Lab Sample ID: 880-53701-3

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 08:15	01/28/25 17:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 08:15	01/28/25 17:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 08:15	01/28/25 17:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/28/25 08:15	01/28/25 17:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 08:15	01/28/25 17:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/28/25 08:15	01/28/25 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				01/28/25 08:15	01/28/25 17:59	1
1,4-Difluorobenzene (Surr)	96		70 - 130				01/28/25 08:15	01/28/25 17:59	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			01/28/25 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/29/25 12:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:14	01/29/25 12:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 10:14	01/29/25 12:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

Client Sample ID: H-3 (0-1')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53701-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:14	01/29/25 12:54	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	71		70 - 130				01/28/25 10:14	01/29/25 12:54	1	
o-Terphenyl	65	S1-	70 - 130				01/28/25 10:14	01/29/25 12:54	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	16.1		9.92		mg/Kg			01/29/25 21:05	1	

Client Sample ID: H-4 (0-1')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53701-4
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00201	U	0.00201		mg/Kg		01/28/25 08:15	01/28/25 18:19	1	
Toluene	<0.00201	U	0.00201		mg/Kg		01/28/25 08:15	01/28/25 18:19	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/28/25 08:15	01/28/25 18:19	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/28/25 08:15	01/28/25 18:19	1	
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/28/25 08:15	01/28/25 18:19	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/28/25 08:15	01/28/25 18:19	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	100		70 - 130				01/28/25 08:15	01/28/25 18:19	1	
1,4-Difluorobenzene (Surr)	98		70 - 130				01/28/25 08:15	01/28/25 18:19	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/28/25 18:19	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			01/29/25 13:40	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:14	01/29/25 13:40	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 10:14	01/29/25 13:40	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:14	01/29/25 13:40	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	70		70 - 130				01/28/25 10:14	01/29/25 13:40	1	
o-Terphenyl	61	S1-	70 - 130				01/28/25 10:14	01/29/25 13:40	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	14.9		9.96		mg/Kg			01/29/25 21:11	1	

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

Client Sample ID: H-5 (0-1')

Lab Sample ID: 880-53701-5

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 18:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 18:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 18:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/28/25 08:15	01/28/25 18:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 18:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/25 08:15	01/28/25 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/28/25 08:15	01/28/25 18:40	1
1,4-Difluorobenzene (Surr)	98		70 - 130	01/28/25 08:15	01/28/25 18:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/28/25 18:40	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			01/29/25 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/25 10:14	01/29/25 13:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/25 10:14	01/29/25 13:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/25 10:14	01/29/25 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	01/28/25 10:14	01/29/25 13:56	1
o-Terphenyl	61	S1-	70 - 130	01/28/25 10:14	01/29/25 13:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		9.98		mg/Kg			01/29/25 21:29	1

Client Sample ID: H-6 (0-1')

Lab Sample ID: 880-53701-6

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 19:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 19:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 19:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/28/25 08:15	01/28/25 19:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/25 08:15	01/28/25 19:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/25 08:15	01/28/25 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/28/25 08:15	01/28/25 19:00	1
1,4-Difluorobenzene (Surr)	97		70 - 130	01/28/25 08:15	01/28/25 19:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

Client Sample ID: H-6 (0-1')

Lab Sample ID: 880-53701-6

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

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			01/28/25 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/29/25 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/25 10:14	01/29/25 14:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/25 10:14	01/29/25 14:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/25 10:14	01/29/25 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				01/28/25 10:14	01/29/25 14:12	1
o-Terphenyl	61	S1-	70 - 130				01/28/25 10:14	01/29/25 14:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.1		10.1		mg/Kg			01/29/25 21:35	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-53498-A-20-C MB	Method Blank	103	98
880-53701-1	H-1 (0-1')	96	98
880-53701-2	H-2 (0-1')	99	98
880-53701-3	H-3 (0-1')	99	96
880-53701-4	H-4 (0-1')	100	98
880-53701-5	H-5 (0-1')	100	98
880-53701-6	H-6 (0-1')	103	97
890-7605-A-13-B MS	Matrix Spike	96	100
890-7605-A-13-C MSD	Matrix Spike Duplicate	97	101
LCS 880-101343/1-A	Lab Control Sample	95	100
LCSD 880-101343/2-A	Lab Control Sample Dup	109	98
MB 880-101343/5-A	Method Blank	95	94
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-53698-A-42-B MS	Matrix Spike	68 S1-	61 S1-
880-53698-A-42-C MSD	Matrix Spike Duplicate	71	63 S1-
880-53701-1	H-1 (0-1')	62 S1-	55 S1-
880-53701-2	H-2 (0-1')	61 S1-	55 S1-
880-53701-3	H-3 (0-1')	71	65 S1-
880-53701-3 MS	H-3 (0-1')	66 S1-	67 S1-
880-53701-3 MSD	H-3 (0-1')	66 S1-	66 S1-
880-53701-4	H-4 (0-1')	70	61 S1-
880-53701-5	H-5 (0-1')	67 S1-	61 S1-
880-53701-6	H-6 (0-1')	68 S1-	61 S1-
LCS 880-101362/2-A	Lab Control Sample	115	106
LCS 880-101369/2-A	Lab Control Sample	92	96
LCSD 880-101362/3-A	Lab Control Sample Dup	109	99
LCSD 880-101369/3-A	Lab Control Sample Dup	91	96
MB 880-101362/1-A	Method Blank	55 S1-	53 S1-
MB 880-101369/1-A	Method Blank	106	102
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-53498-A-20-C MB

Matrix: Solid

Analysis Batch: 101240

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 08:15	01/28/25 16:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 08:15	01/28/25 16:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 08:15	01/28/25 16:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/28/25 08:15	01/28/25 16:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 08:15	01/28/25 16:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/28/25 08:15	01/28/25 16:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/28/25 08:15	01/28/25 16:16	1
1,4-Difluorobenzene (Surr)	98		70 - 130	01/28/25 08:15	01/28/25 16:16	1

Lab Sample ID: MB 880-101343/5-A

Matrix: Solid

Analysis Batch: 101240

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/25 08:15	01/28/25 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/25 08:15	01/28/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/25 08:15	01/28/25 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/28/25 08:15	01/28/25 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/25 08:15	01/28/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/28/25 08:15	01/28/25 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	01/28/25 08:15	01/28/25 11:15	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/28/25 08:15	01/28/25 11:15	1

Lab Sample ID: LCS 880-101343/1-A

Matrix: Solid

Analysis Batch: 101240

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09541		mg/Kg		95	70 - 130
Toluene	0.100	0.1022		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1057		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.1897		mg/Kg		95	70 - 130
o-Xylene	0.100	0.1066		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-101343/2-A

Matrix: Solid

Analysis Batch: 101240

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101343

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09888		mg/Kg		99	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-101343/2-A

Matrix: Solid

Analysis Batch: 101240

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101343

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1068		mg/Kg		107	70 - 130	4	35
Ethylbenzene	0.100	0.1085		mg/Kg		108	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1958		mg/Kg		98	70 - 130	3	35
o-Xylene	0.100	0.1097		mg/Kg		110	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-7605-A-13-B MS

Matrix: Solid

Analysis Batch: 101240

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09483		mg/Kg		95	70 - 130
Toluene	<0.00200	U	0.100	0.09875		mg/Kg		99	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09901		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1764		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.100	0.09740		mg/Kg		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7605-A-13-C MSD

Matrix: Solid

Analysis Batch: 101240

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09940		mg/Kg		99	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.1031		mg/Kg		103	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.1040		mg/Kg		104	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1838		mg/Kg		92	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.1039		mg/Kg		104	70 - 130	6	35

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

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

Lab Sample ID: MB 880-101362/1-A

Matrix: Solid

Analysis Batch: 101720

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 09:59	01/31/25 17:30	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-101362/1-A

Matrix: Solid

Analysis Batch: 101720

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 09:59	01/31/25 17:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 09:59	01/31/25 17:30	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	55	S1-	70 - 130				01/28/25 09:59	01/31/25 17:30	1
o-Terphenyl	53	S1-	70 - 130				01/28/25 09:59	01/31/25 17:30	1

Lab Sample ID: LCS 880-101362/2-A

Matrix: Solid

Analysis Batch: 101720

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101362

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	948.2		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	906.7		mg/Kg		91	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	115		70 - 130				
o-Terphenyl	106		70 - 130				

Lab Sample ID: LCSD 880-101362/3-A

Matrix: Solid

Analysis Batch: 101720

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101362

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	890.0		mg/Kg		89	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	835.8		mg/Kg		84	70 - 130	8	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	109		70 - 130						
o-Terphenyl	99		70 - 130						

Lab Sample ID: 880-53698-A-42-B MS

Matrix: Solid

Analysis Batch: 101720

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	734.1		mg/Kg		73	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	705.6		mg/Kg		71	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	68	S1-	70 - 130						
o-Terphenyl	61	S1-	70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-53698-A-42-C MSD

Matrix: Solid

Analysis Batch: 101720

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	763.2		mg/Kg		76	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	725.7		mg/Kg		73	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	71		70 - 130								
o-Terphenyl	63	S1-	70 - 130								

Lab Sample ID: MB 880-101369/1-A

Matrix: Solid

Analysis Batch: 101477

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/25 10:13	01/29/25 07:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/25 10:13	01/29/25 07:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/25 10:13	01/29/25 07:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				01/28/25 10:13	01/29/25 07:40	1
o-Terphenyl	102		70 - 130				01/28/25 10:13	01/29/25 07:40	1

Lab Sample ID: LCS 880-101369/2-A

Matrix: Solid

Analysis Batch: 101477

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101369

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	815.9		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	864.4		mg/Kg		86	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	92		70 - 130						
o-Terphenyl	96		70 - 130						

Lab Sample ID: LCSD 880-101369/3-A

Matrix: Solid

Analysis Batch: 101477

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101369

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	824.1		mg/Kg		82	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	867.2		mg/Kg		87	70 - 130	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-101369/3-A

Matrix: Solid

Analysis Batch: 101477

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101369

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 880-53701-3 MS

Matrix: Solid

Analysis Batch: 101477

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

Prep Type: Total/NA

Prep Batch: 101369

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	749.7		mg/Kg		75	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	800.0		mg/Kg		80	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	66	S1-	70 - 130							
o-Terphenyl	67	S1-	70 - 130							

Lab Sample ID: 880-53701-3 MSD

Matrix: Solid

Analysis Batch: 101477

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

Prep Type: Total/NA

Prep Batch: 101369

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	738.4		mg/Kg		74	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	803.1		mg/Kg		81	70 - 130	0	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	66	S1-	70 - 130									
o-Terphenyl	66	S1-	70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-101399/1-A

Matrix: Solid

Analysis Batch: 101503

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<10.0	U	10.0		mg/Kg			01/29/25 20:18	1	

Lab Sample ID: LCS 880-101399/2-A

Matrix: Solid

Analysis Batch: 101503

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	253.2		mg/Kg		101	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-101399/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 101503											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	253.5		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-53700-A-4-B MS				Client Sample ID: Matrix Spike							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 101503											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	630		252	883.7		mg/Kg		101	90 - 110		

Lab Sample ID: 880-53700-A-4-C MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 101503											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	630		252	886.2		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 101240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53701-1	H-1 (0-1')	Total/NA	Solid	8021B	101343
880-53701-2	H-2 (0-1')	Total/NA	Solid	8021B	101343
880-53701-3	H-3 (0-1')	Total/NA	Solid	8021B	101343
880-53701-4	H-4 (0-1')	Total/NA	Solid	8021B	101343
880-53701-5	H-5 (0-1')	Total/NA	Solid	8021B	101343
880-53701-6	H-6 (0-1')	Total/NA	Solid	8021B	101343
880-53498-A-20-C MB	Method Blank	Total/NA	Solid	8021B	101343
MB 880-101343/5-A	Method Blank	Total/NA	Solid	8021B	101343
LCS 880-101343/1-A	Lab Control Sample	Total/NA	Solid	8021B	101343
LCSD 880-101343/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101343
890-7605-A-13-B MS	Matrix Spike	Total/NA	Solid	8021B	101343
890-7605-A-13-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	101343

Prep Batch: 101343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53701-1	H-1 (0-1')	Total/NA	Solid	5035	
880-53701-2	H-2 (0-1')	Total/NA	Solid	5035	
880-53701-3	H-3 (0-1')	Total/NA	Solid	5035	
880-53701-4	H-4 (0-1')	Total/NA	Solid	5035	
880-53701-5	H-5 (0-1')	Total/NA	Solid	5035	
880-53701-6	H-6 (0-1')	Total/NA	Solid	5035	
880-53498-A-20-C MB	Method Blank	Total/NA	Solid	5035	
MB 880-101343/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101343/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101343/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7605-A-13-B MS	Matrix Spike	Total/NA	Solid	5035	
890-7605-A-13-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 101470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53701-1	H-1 (0-1')	Total/NA	Solid	Total BTEX	
880-53701-2	H-2 (0-1')	Total/NA	Solid	Total BTEX	
880-53701-3	H-3 (0-1')	Total/NA	Solid	Total BTEX	
880-53701-4	H-4 (0-1')	Total/NA	Solid	Total BTEX	
880-53701-5	H-5 (0-1')	Total/NA	Solid	Total BTEX	
880-53701-6	H-6 (0-1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 101362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53701-1	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-53701-2	H-2 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-101362/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101362/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101362/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53698-A-42-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-53698-A-42-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

GC Semi VOA

Prep Batch: 101369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53701-3	H-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-53701-4	H-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-53701-5	H-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-53701-6	H-6 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-101369/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101369/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101369/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53701-3 MS	H-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-53701-3 MSD	H-3 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 101477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53701-3	H-3 (0-1')	Total/NA	Solid	8015B NM	101369
880-53701-4	H-4 (0-1')	Total/NA	Solid	8015B NM	101369
880-53701-5	H-5 (0-1')	Total/NA	Solid	8015B NM	101369
880-53701-6	H-6 (0-1')	Total/NA	Solid	8015B NM	101369
MB 880-101369/1-A	Method Blank	Total/NA	Solid	8015B NM	101369
LCS 880-101369/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101369
LCSD 880-101369/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101369
880-53701-3 MS	H-3 (0-1')	Total/NA	Solid	8015B NM	101369
880-53701-3 MSD	H-3 (0-1')	Total/NA	Solid	8015B NM	101369

Analysis Batch: 101529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53701-1	H-1 (0-1')	Total/NA	Solid	8015 NM	
880-53701-2	H-2 (0-1')	Total/NA	Solid	8015 NM	
880-53701-3	H-3 (0-1')	Total/NA	Solid	8015 NM	
880-53701-4	H-4 (0-1')	Total/NA	Solid	8015 NM	
880-53701-5	H-5 (0-1')	Total/NA	Solid	8015 NM	
880-53701-6	H-6 (0-1')	Total/NA	Solid	8015 NM	

Analysis Batch: 101720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53701-1	H-1 (0-1')	Total/NA	Solid	8015B NM	101362
880-53701-2	H-2 (0-1')	Total/NA	Solid	8015B NM	101362
MB 880-101362/1-A	Method Blank	Total/NA	Solid	8015B NM	101362
LCS 880-101362/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101362
LCSD 880-101362/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101362
880-53698-A-42-B MS	Matrix Spike	Total/NA	Solid	8015B NM	101362
880-53698-A-42-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	101362

HPLC/IC

Leach Batch: 101399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53701-1	H-1 (0-1')	Soluble	Solid	DI Leach	
880-53701-2	H-2 (0-1')	Soluble	Solid	DI Leach	
880-53701-3	H-3 (0-1')	Soluble	Solid	DI Leach	
880-53701-4	H-4 (0-1')	Soluble	Solid	DI Leach	
880-53701-5	H-5 (0-1')	Soluble	Solid	DI Leach	
880-53701-6	H-6 (0-1')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 101399 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-101399/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-101399/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-101399/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53700-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-53700-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 101503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53701-1	H-1 (0-1')	Soluble	Solid	300.0	101399
880-53701-2	H-2 (0-1')	Soluble	Solid	300.0	101399
880-53701-3	H-3 (0-1')	Soluble	Solid	300.0	101399
880-53701-4	H-4 (0-1')	Soluble	Solid	300.0	101399
880-53701-5	H-5 (0-1')	Soluble	Solid	300.0	101399
880-53701-6	H-6 (0-1')	Soluble	Solid	300.0	101399
MB 880-101399/1-A	Method Blank	Soluble	Solid	300.0	101399
LCS 880-101399/2-A	Lab Control Sample	Soluble	Solid	300.0	101399
LCSD 880-101399/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101399
880-53700-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	101399
880-53700-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	101399

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-53701-1

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	101343	01/28/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101240	01/28/25 17:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101470	01/28/25 17:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101529	01/31/25 23:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101362	01/28/25 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101720	01/31/25 23:12	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101503	01/29/25 20:54	CH	EET MID

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

Lab Sample ID: 880-53701-2

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101343	01/28/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101240	01/28/25 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101470	01/28/25 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101529	01/31/25 23:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101362	01/28/25 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101720	01/31/25 23:28	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101503	01/29/25 20:59	CH	EET MID

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

Lab Sample ID: 880-53701-3

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	101343	01/28/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101240	01/28/25 17:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101470	01/28/25 17:59	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101529	01/29/25 12:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101369	01/28/25 10:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 12:54	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101503	01/29/25 21:05	CH	EET MID

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

Lab Sample ID: 880-53701-4

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/28/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	101343	01/28/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101240	01/28/25 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101470	01/28/25 18:19	AJ	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

Client Sample ID: H-4 (0-1')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53701-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			101529	01/29/25 13:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	101369	01/28/25 10:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 13:40	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101503	01/29/25 21:11	CH	EET MID

Client Sample ID: H-5 (0-1')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53701-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	101343	01/28/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101240	01/28/25 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101470	01/28/25 18:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101529	01/29/25 13:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101369	01/28/25 10:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 13:56	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101503	01/29/25 21:29	CH	EET MID

Client Sample ID: H-6 (0-1')
Date Collected: 01/27/25 00:00
Date Received: 01/28/25 08:00

Lab Sample ID: 880-53701-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101343	01/28/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101240	01/28/25 19:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101470	01/28/25 19:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101529	01/29/25 14:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101369	01/28/25 10:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101477	01/29/25 14:12	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	101399	01/28/25 14:39	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101503	01/29/25 21:35	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
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: Riverbend 12-13 Federal Com 20H

Job ID: 880-53701-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53701-1	H-1 (0-1')	Solid	01/27/25 00:00	01/28/25 08:00
880-53701-2	H-2 (0-1')	Solid	01/27/25 00:00	01/28/25 08:00
880-53701-3	H-3 (0-1')	Solid	01/27/25 00:00	01/28/25 08:00
880-53701-4	H-4 (0-1')	Solid	01/27/25 00:00	01/28/25 08:00
880-53701-5	H-5 (0-1')	Solid	01/27/25 00:00	01/28/25 08:00
880-53701-6	H-6 (0-1')	Solid	01/27/25 00:00	01/28/25 08:00

- 1
- 2
- 3
- 4
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- 9
- 10
- 11
- 12
- 13
- 14

880-53701 Chain of Custody

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/26/25 0800		1/26/25 800

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53701-1

SDG Number: Eddy Co, NM

Login Number: 53701

List Number: 1

List Source: Eurofins Midland

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	



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

February 21, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: RIVERBEND 12 - 13 FEDERAL COM 20H

Enclosed are the results of analyses for samples received by the laboratory on 02/20/25 15:44.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 1 (1.5') (H251028-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	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	02/21/2025	ND	226	113	200	5.73		
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92		
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND						

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 2 (1.5') (H251028-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01	
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03	
Total BTEX	<0.300	0.300	02/21/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	226	113	200	5.73	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 3 (1.5') (H251028-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEX	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	226	113	200	5.73	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 4 (1.5') (H251028-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEX	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	226	113	200	5.73	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 5 (2.5') (H251028-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEx	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	226	113	200	5.73	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 6 (2.5') (H251028-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTX	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	226	113	200	5.73	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 7 (2.5') (H251028-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTX	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	226	113	200	5.73	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received: 02/20/2025
 Reported: 02/21/2025
 Project Name: RIVERBEND 12 - 13 FEDERAL COM 20H
 Project Number: 2612
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 02/20/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 8 (2.5') (H251028-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEx	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	226	113	200	5.73	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 9 (1.5') (H251028-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	226	113	200	5.73	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 10 (1.5') (H251028-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01	
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03	
Total BTEX	<0.300	0.300	02/21/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	226	113	200	5.73	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 11 (1.5') (H251028-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEX	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	226	113	200	5.73	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 12 (4.5') (H251028-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEX	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	226	113	200	5.73	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 13 (4.5') (H251028-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEX	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	226	113	200	5.73	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 14 (4.5') (H251028-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/20/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/20/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: CS - 15 (4.5') (H251028-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEX	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/20/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/20/2025	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 1 (1.5') (H251028-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEx	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/20/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/20/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 2 (1.5') (H251028-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/20/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/20/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 3 (1.5') (H251028-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/20/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/20/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 4 (1.5') (H251028-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEX	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/20/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/20/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 5 (1.5 - 2.5') (H251028-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24	
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492	
Total BTEX	<0.300	0.300	02/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/20/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/20/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 6 (1.5') (H251028-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24		
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492		
Total BTEx	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/20/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/20/2025	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/20/2025
 Reported: 02/21/2025
 Project Name: RIVERBEND 12 - 13 FEDERAL COM 20H
 Project Number: 2612
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 02/20/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 7 (1.5') (H251028-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24	
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492	
Total BTEX	<0.300	0.300	02/21/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 8 (2.5') (H251028-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24		
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 9 (2.5') (H251028-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24		
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 10 (2.5') (H251028-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24		
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 11 (2.5') (H251028-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24	
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492	
Total BTEX	<0.300	0.300	02/21/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/21/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 12 (2.5') (H251028-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24		
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492		
Total BTEX	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	217	108	200	7.76		
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	206	103	200	9.67		
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND						

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 13 (2.5 - 4.5') (H251028-28)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24		
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 14 (1.5') (H251028-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24		
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492		
Total BTEX	<0.300	0.300	02/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 15 (1.5') (H251028-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24		
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 16 (1.5') (H251028-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24		
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 17 (1.5 - 4.5') (H251028-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24		
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492		
Total BTEx	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	217	108	200	7.76	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	206	103	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 18 (1.5 - 4.5') (H251028-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24		
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	217	108	200	7.76		
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	206	103	200	9.67		
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND						

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/20/2025
 Reported: 02/21/2025
 Project Name: RIVERBEND 12 - 13 FEDERAL COM 20H
 Project Number: 2612
 Project Location: CIMAREX-EDDY CO., NM

Sampling Date: 02/20/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 19 (4.5') (H251028-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24		
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	202	101	200	2.08	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	200	100	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 20 (4.5') (H251028-35)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24	
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492	
Total BTEX	<0.300	0.300	02/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	202	101	200	2.08	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	200	100	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12 - 13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX-EDDY CO., NM		

Sample ID: SW - 21 (4.5') (H251028-36)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.18	109	2.00	3.24	
Toluene*	<0.050	0.050	02/21/2025	ND	2.27	114	2.00	1.11	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.46	123	2.00	0.207	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.41	124	6.00	0.492	
Total BTEX	<0.300	0.300	02/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2025	ND	202	101	200	2.08	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	200	100	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H251028

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

Work Order Comments														
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐ State of Project: Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐ Deliverables: EDD ☐ ADaPT ☐ Other:														

Project Name:		Riverbend 12-13 Federal Com 20H		Turn Around		Pres. Code	ANALYSIS REQUEST															Preservative Codes			
Project Number:		2612		☐ Routine ☒ Rush			Parameters																None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC		
Project Location		Eddy Co, NM		Due Date: 24 Hr TAT				BTEX 802/B																Hold	
Sampler's Name:		CMM							TPH 8015M (GRO + DRO + MRO)																
PO #:										Chloride 4500															

SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Wet Ice:		Yes ☐ No ☒	
Received Intact:		Yes ☒ No ☐		Thermometer ID:		#110			
Cooler Custody Seals:		Yes ☒ No ☐ N/A		Correction Factor:		0.03			
Sample Custody Seals:		Yes ☒ No ☐ N/A		Temperature Reading:		3.3			
Total Containers:				Corrected Temperature:		3.4			

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont																Sample Comments
CS-1 (1.5')	2/20/2025		X		C	1	X	X	X										1			
CS-2 (1.5')	2/20/2025		X		C	1	X	X	X										2			
CS-3 (1.5')	2/20/2025		X		C	1	X	X	X										3			
CS-4 (1.5')	2/20/2025		X		C	1	X	X	X										4			
CS-5 (2.5')	2/20/2025		X		C	1	X	X	X										5			
CS-6 (2.5')	2/20/2025		X		C	1	X	X	X										6			
CS-7 (2.5')	2/20/2025		X		C	1	X	X	X										7			
CS-8 (2.5')	2/20/2025		X		C	1	X	X	X										8			
CS-9 (1.5')	2/20/2025		X		C	1	X	X	X										9			
CS-10 (1.5')	2/20/2025		X		C	1	X	X	X										10			

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Cuba Muehling</i>	2-20-25	<i>Ashton Thielke</i>	2-20-25 1544

Chain of Custody

Work Order No: H2S1028

Page 2 of 4

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

Project Name: Riverbend 12-13 Federal Com 20H										Turn Around		ANALYSIS REQUEST										Preservative Codes	
Project Number: 2612										☐ Routine ☒ Rush												None: NO DI Water: H ₂ O	
Project Location: Eddy Co, NM										Due Date: 24 Hr TAT												Cool: Cool MeOH: Me	
Sampler's Name: CMM																						HCL: HC HNO ₃ : HN	
PO #:																						H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT		Temp Blank: Yes No		Wet Ice: Yes No		Parameters		BTEX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 4100		Hold		H ₃ PO ₄ : HP							
Received Intact: Yes No		Thermometer ID: #14														NaHSO ₄ : NABIS							
Cooler Custody Seals: Yes No N/A		Correction Factor: 2.0-3.0														Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals: Yes No N/A		Temperature Reading: 3.3														Zn Acetate+NaOH: Zn							
Total Containers:		Corrected Temperature: 3.6														NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont				Sample Comments							
CS-11 (1.5')		2/20/2025				X				C		1		X X X		11							
CS-12 (4.5')		2/20/2025				X				C		1		X X X		12							
CS-13 (4.5')		2/20/2025				X				C		1		X X X		13							
CS-14 (4.5')		2/20/2025				X				C		1		X X X		14							
CS-15 (4.5')		2/20/2025				X				C		1		X X X		15							
SW-1 (1.5')		2/20/2025				X				C		1		X X X		16							
SW-2 (1.5')		2/20/2025				X				C		1		X X X		17							
SW-3 (1.5')		2/20/2025				X				C		1		X X X		18							
SW-4 (1.5')		2/20/2025				X				C		1		X X X		19							
SW-5 (1.5 - 2.5')		2/20/2025				X				C		1		X X X		20							

Comments:			

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
Cale Mackay		2-20-25		Cale Mackay		2-20-25/1544	

Chain of Custody

Work Order No: H251028

Page 3 of 4

Page 41 of 42

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

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐
State of Project:	Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ Other:

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:		☐ Routine ☒ Rush															None: NO DI Water: H ₂ O	
Project Location:		Due Date:		Parameters													Cool: Cool MeOH: Me	
Sampler's Name:		24 Hr TAT															HCL: HC HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT		Temp Blank:															H ₃ PO ₄ : HP	
Received Intact:		Yes ☒ No ☐															NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes ☒ No ☐ N/A														Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:		Yes ☒ No ☐ N/A														Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
SW-6 (1.5')	2/20/2025		X		C	1	X	X	X								21		
SW-7 (1.5')	2/20/2025		X		C	1	X	X	X								22		
SW-8 (2.5')	2/20/2025		X		C	1	X	X	X								23		
SW-9 (2.5')	2/20/2025		X		C	1	X	X	X								24		
SW-10 (2.5')	2/20/2025		X		C	1	X	X	X								25		
SW-11 (2.5')	2/20/2025		X		C	1	X	X	X								26		
SW-12 (2.5')	2/20/2025		X		C	1	X	X	X								27		
✓ SW-13 (2.5' 4.5')	2/20/2025		X		✓ C	1	X	X	X								28		
SW-14 (1.5')	2/20/2025		X		C	1	X	X	X								29		
SW-15 (1.5')	2/20/2025		X		C	1	X	X	X								30		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Laci Luig</i>	2-20-25	<i>Ashton Thielke</i>	2/20/25



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/25/2025 12:54:22 PM

JOB DESCRIPTION

Riverbend 12-13 Federal Com 20H
Eddy Co, NM

JOB NUMBER

880-54785-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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2/25/2025 12:54:22 PM

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

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Laboratory Job ID: 880-54785-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1

Job ID: 880-54785-1**Eurofins Midland**

Job Narrative
880-54785-1

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 2/24/2025 9:30 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 -8.9°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-16 (4.5') (880-54785-1), CS-17 (4.5') (880-54785-2), CS-18 (4.5') (880-54785-3), CS-19 (8') (880-54785-4), CS-20 (8') (880-54785-5), CS-21 (8') (880-54785-6), SW-22 (4.5') (880-54785-7), SW-23 (4.5') (880-54785-8), SW-24 (4.5-8') (880-54785-9), SW-25 (4.5-8') (880-54785-10), SW-26 (4.5-8') (880-54785-11), SW-27 (8') (880-54785-12), SW-28 (8') (880-54785-13) and SW-29 (8') (880-54785-14).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-103489 recovered under the lower control limit for Ethylbenzene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

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: CS-16 (4.5') (880-54785-1), CS-17 (4.5') (880-54785-2), CS-18 (4.5') (880-54785-3), CS-19 (8') (880-54785-4), CS-20 (8') (880-54785-5), SW-22 (4.5') (880-54785-7), SW-23 (4.5') (880-54785-8), SW-24 (4.5-8') (880-54785-9), SW-25 (4.5-8') (880-54785-10), SW-26 (4.5-8') (880-54785-11), SW-28 (8') (880-54785-13) and SW-29 (8') (880-54785-14). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-103506 and analytical batch 880-103520 was outside the upper control limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-103520 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-103520/26) and (CCV 880-103520/52).

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

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: CS-16 (4.5')

Lab Sample ID: 880-54785-1

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 13:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 13:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 13:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/24/25 09:41	02/24/25 13:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 13:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/24/25 09:41	02/24/25 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	02/24/25 09:41	02/24/25 13:50	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/24/25 09:41	02/24/25 13:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/24/25 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/24/25 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 19:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 19:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	02/24/25 10:00	02/24/25 19:16	1
o-Terphenyl	110		70 - 130	02/24/25 10:00	02/24/25 19:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/24/25 16:11	1

Client Sample ID: CS-17 (4.5')

Lab Sample ID: 880-54785-2

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 14:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 14:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 14:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/24/25 09:41	02/24/25 14:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 14:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/24/25 09:41	02/24/25 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/24/25 09:41	02/24/25 14:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/24/25 09:41	02/24/25 14:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: CS-17 (4.5')

Lab Sample ID: 880-54785-2

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/25 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/24/25 20:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/25 10:00	02/24/25 20:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/24/25 10:00	02/24/25 20:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/25 10:00	02/24/25 20:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				02/24/25 10:00	02/24/25 20:05	1
o-Terphenyl	110		70 - 130				02/24/25 10:00	02/24/25 20:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.5		10.0		mg/Kg			02/24/25 16:16	1

Client Sample ID: CS-18 (4.5')

Lab Sample ID: 880-54785-3

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/24/25 09:41	02/24/25 14:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/24/25 09:41	02/24/25 14:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/24/25 09:41	02/24/25 14:31	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/24/25 09:41	02/24/25 14:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/24/25 09:41	02/24/25 14:31	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/24/25 09:41	02/24/25 14:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				02/24/25 09:41	02/24/25 14:31	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/24/25 09:41	02/24/25 14:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/24/25 14:31	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			02/24/25 20:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 20:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 20:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: CS-18 (4.5')

Lab Sample ID: 880-54785-3

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 20:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				02/24/25 10:00	02/24/25 20:22	1
o-Terphenyl	113		70 - 130				02/24/25 10:00	02/24/25 20:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/24/25 16:22	1

Client Sample ID: CS-19 (8')

Lab Sample ID: 880-54785-4

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 14:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 14:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 14:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/24/25 09:41	02/24/25 14:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 14:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/24/25 09:41	02/24/25 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				02/24/25 09:41	02/24/25 14:52	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/24/25 09:41	02/24/25 14:52	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			02/24/25 14:52	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			02/24/25 20:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 20:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 20:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 20:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				02/24/25 10:00	02/24/25 20:37	1
o-Terphenyl	107		70 - 130				02/24/25 10:00	02/24/25 20:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/24/25 16:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: CS-20 (8')

Lab Sample ID: 880-54785-5

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/24/25 09:41	02/24/25 16:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/24/25 09:41	02/24/25 16:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/24/25 09:41	02/24/25 16:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/24/25 09:41	02/24/25 16:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/24/25 09:41	02/24/25 16:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/24/25 09:41	02/24/25 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	02/24/25 09:41	02/24/25 16:18	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/24/25 09:41	02/24/25 16:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/24/25 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/24/25 20:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/24/25 10:00	02/24/25 20:53	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/24/25 10:00	02/24/25 20:53	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/24/25 10:00	02/24/25 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	02/24/25 10:00	02/24/25 20:53	1
o-Terphenyl	108		70 - 130	02/24/25 10:00	02/24/25 20:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/24/25 16:33	1

Client Sample ID: CS-21 (8')

Lab Sample ID: 880-54785-6

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 16:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 16:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 16:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/24/25 09:41	02/24/25 16:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 16:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/24/25 09:41	02/24/25 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/24/25 09:41	02/24/25 16:39	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/24/25 09:41	02/24/25 16:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: CS-21 (8')

Lab Sample ID: 880-54785-6

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/25 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/24/25 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 21:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 21:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 21:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				02/24/25 10:00	02/24/25 21:09	1
o-Terphenyl	100		70 - 130				02/24/25 10:00	02/24/25 21:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/24/25 16:50	1

Client Sample ID: SW-22 (4.5')

Lab Sample ID: 880-54785-7

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 16:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 16:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 16:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/24/25 09:41	02/24/25 16:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 16:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/24/25 09:41	02/24/25 16:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				02/24/25 09:41	02/24/25 16:59	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/24/25 09:41	02/24/25 16:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/25 16:59	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			02/24/25 21:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 21:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 21:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: SW-22 (4.5')

Lab Sample ID: 880-54785-7

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				02/24/25 10:00	02/24/25 21:25	1
o-Terphenyl	104		70 - 130				02/24/25 10:00	02/24/25 21:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/24/25 16:56	1

Client Sample ID: SW-23 (4.5')

Lab Sample ID: 880-54785-8

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 17:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 17:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 17:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/24/25 09:41	02/24/25 17:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 17:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/24/25 09:41	02/24/25 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				02/24/25 09:41	02/24/25 17:20	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/24/25 09:41	02/24/25 17:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/24/25 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/24/25 21:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 21:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 21:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 21:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				02/24/25 10:00	02/24/25 21:43	1
o-Terphenyl	102		70 - 130				02/24/25 10:00	02/24/25 21:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/24/25 17:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: SW-24 (4.5-8')

Lab Sample ID: 880-54785-9

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/24/25 09:41	02/24/25 17:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/24/25 09:41	02/24/25 17:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/24/25 09:41	02/24/25 17:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/24/25 09:41	02/24/25 17:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/24/25 09:41	02/24/25 17:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/24/25 09:41	02/24/25 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/24/25 09:41	02/24/25 17:40	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/24/25 09:41	02/24/25 17:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/25 17:40	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			02/24/25 21:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 21:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 21:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 21:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	02/24/25 10:00	02/24/25 21:58	1
o-Terphenyl	106		70 - 130	02/24/25 10:00	02/24/25 21:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/24/25 17:19	1

Client Sample ID: SW-25 (4.5-8')

Lab Sample ID: 880-54785-10

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/24/25 09:41	02/24/25 18:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/24/25 09:41	02/24/25 18:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/24/25 09:41	02/24/25 18:01	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/24/25 09:41	02/24/25 18:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/24/25 09:41	02/24/25 18:01	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/24/25 09:41	02/24/25 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	02/24/25 09:41	02/24/25 18:01	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/24/25 09:41	02/24/25 18:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: SW-25 (4.5-8')

Lab Sample ID: 880-54785-10

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/24/25 18:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/24/25 22:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 22:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 22:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 22:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				02/24/25 10:00	02/24/25 22:15	1
o-Terphenyl	105		70 - 130				02/24/25 10:00	02/24/25 22:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/24/25 17:24	1

Client Sample ID: SW-26 (4.5-8')

Lab Sample ID: 880-54785-11

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 18:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 18:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 18:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/24/25 09:41	02/24/25 18:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 18:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/24/25 09:41	02/24/25 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				02/24/25 09:41	02/24/25 18:21	1
1,4-Difluorobenzene (Surr)	97		70 - 130				02/24/25 09:41	02/24/25 18:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/25 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/24/25 22:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/24/25 10:00	02/24/25 22:47	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/24/25 10:00	02/24/25 22:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: SW-26 (4.5-8')

Lab Sample ID: 880-54785-11

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/24/25 10:00	02/24/25 22:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				02/24/25 10:00	02/24/25 22:47	1
o-Terphenyl	113		70 - 130				02/24/25 10:00	02/24/25 22:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/24/25 17:30	1

Client Sample ID: SW-27 (8')

Lab Sample ID: 880-54785-12

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 18:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 18:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 18:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/24/25 09:41	02/24/25 18:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 18:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/24/25 09:41	02/24/25 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				02/24/25 09:41	02/24/25 18:42	1
1,4-Difluorobenzene (Surr)	97		70 - 130				02/24/25 09:41	02/24/25 18:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/25 18:42	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			02/24/25 23:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 23:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 23:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/24/25 10:00	02/24/25 23:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				02/24/25 10:00	02/24/25 23:03	1
o-Terphenyl	102		70 - 130				02/24/25 10:00	02/24/25 23:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/24/25 17:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: SW-28 (8')

Lab Sample ID: 880-54785-13

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 19:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 19:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 19:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/24/25 09:41	02/24/25 19:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/24/25 09:41	02/24/25 19:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/24/25 09:41	02/24/25 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	02/24/25 09:41	02/24/25 19:02	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/24/25 09:41	02/24/25 19:02	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			02/24/25 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/24/25 23:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/25 10:00	02/24/25 23:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/24/25 10:00	02/24/25 23:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/25 10:00	02/24/25 23:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	02/24/25 10:00	02/24/25 23:20	1
o-Terphenyl	110		70 - 130	02/24/25 10:00	02/24/25 23:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/24/25 17:41	1

Client Sample ID: SW-29 (8')

Lab Sample ID: 880-54785-14

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 19:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 19:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 19:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/24/25 09:41	02/24/25 19:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/24/25 09:41	02/24/25 19:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/24/25 09:41	02/24/25 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	02/24/25 09:41	02/24/25 19:23	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/24/25 09:41	02/24/25 19:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: SW-29 (8')

Lab Sample ID: 880-54785-14

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/25 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/24/25 23:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 23:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 23:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				02/24/25 10:00	02/24/25 23:36	1
o-Terphenyl	113		70 - 130				02/24/25 10:00	02/24/25 23:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			02/24/25 17:47	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-54785-1	CS-16 (4.5')	91	97
880-54785-2	CS-17 (4.5')	96	98
880-54785-3	CS-18 (4.5')	93	96
880-54785-4	CS-19 (8')	92	96
880-54785-5	CS-20 (8')	89	95
880-54785-6	CS-21 (8')	97	100
880-54785-7	SW-22 (4.5')	97	99
880-54785-8	SW-23 (4.5')	97	99
880-54785-9	SW-24 (4.5-8')	96	99
880-54785-10	SW-25 (4.5-8')	95	97
880-54785-11	SW-26 (4.5-8')	93	97
880-54785-12	SW-27 (8')	95	97
880-54785-13	SW-28 (8')	98	98
880-54785-14	SW-29 (8')	92	97
890-7699-A-41-E MS	Matrix Spike	106	96
890-7699-A-41-F MSD	Matrix Spike Duplicate	105	92
LCS 880-103394/1-A	Lab Control Sample	106	105
LCSD 880-103394/2-A	Lab Control Sample Dup	111	101
MB 880-103394/5-A	Method Blank	85	93
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-54785-1	CS-16 (4.5')	135 S1+	110
880-54785-1 MS	CS-16 (4.5')	123	111
880-54785-1 MSD	CS-16 (4.5')	123	111
880-54785-2	CS-17 (4.5')	138 S1+	110
880-54785-3	CS-18 (4.5')	140 S1+	113
880-54785-4	CS-19 (8')	135 S1+	107
880-54785-5	CS-20 (8')	135 S1+	108
880-54785-6	CS-21 (8')	126	100
880-54785-7	SW-22 (4.5')	131 S1+	104
880-54785-8	SW-23 (4.5')	131 S1+	102
880-54785-9	SW-24 (4.5-8')	135 S1+	106
880-54785-10	SW-25 (4.5-8')	134 S1+	105
880-54785-11	SW-26 (4.5-8')	140 S1+	113
880-54785-12	SW-27 (8')	129	102
880-54785-13	SW-28 (8')	138 S1+	110
880-54785-14	SW-29 (8')	143 S1+	113
LCS 880-103506/2-A	Lab Control Sample	113	101
LCSD 880-103506/3-A	Lab Control Sample Dup	114	101
MB 880-103506/1-A	Method Blank	132 S1+	104
Surrogate Legend			

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Surrogate Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H
1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Job ID: 880-54785-1
SDG: Eddy Co, NM

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-103394/5-A

Matrix: Solid

Analysis Batch: 103489

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/25 13:15	02/24/25 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/25 13:15	02/24/25 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/25 13:15	02/24/25 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/21/25 13:15	02/24/25 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/25 13:15	02/24/25 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/25 13:15	02/24/25 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	02/21/25 13:15	02/24/25 11:26	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/21/25 13:15	02/24/25 11:26	1

Lab Sample ID: LCS 880-103394/1-A

Matrix: Solid

Analysis Batch: 103489

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1090		mg/Kg		109	70 - 130
Toluene	0.100	0.09879		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1119		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2266		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1103		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-103394/2-A

Matrix: Solid

Analysis Batch: 103489

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103394

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1123		mg/Kg		112	70 - 130	3	35
Toluene	0.100	0.09240		mg/Kg		92	70 - 130	7	35
Ethylbenzene	0.100	0.1180		mg/Kg		118	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2375		mg/Kg		119	70 - 130	5	35
o-Xylene	0.100	0.1160		mg/Kg		116	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-7699-A-41-E MS

Matrix: Solid

Analysis Batch: 103489

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 103394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09340		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.0998	0.08546		mg/Kg		86	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

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

Lab Sample ID: 890-7699-A-41-E MS

Matrix: Solid

Analysis Batch: 103489

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 103394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.09450		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1903		mg/Kg		95	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09367		mg/Kg		94	70 - 130
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	106		70 - 130						
1,4-Difluorobenzene (Surr)	96		70 - 130						

Lab Sample ID: 890-7699-A-41-F MSD

Matrix: Solid

Analysis Batch: 103489

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 103394

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.09341		mg/Kg		94	70 - 130	0	35
Toluene	<0.00200	U	0.0996	0.09122		mg/Kg		92	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.0996	0.09978		mg/Kg		100	70 - 130	5	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1968		mg/Kg		99	70 - 130	3	35
o-Xylene	<0.00200	U	0.0996	0.09643		mg/Kg		97	70 - 130	3	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	92		70 - 130								

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

Lab Sample ID: MB 880-103506/1-A

Matrix: Solid

Analysis Batch: 103520

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103506

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 18:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 18:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/25 10:00	02/24/25 18:26	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				02/24/25 10:00	02/24/25 18:26	1
o-Terphenyl	104		70 - 130				02/24/25 10:00	02/24/25 18:26	1

Lab Sample ID: LCS 880-103506/2-A

Matrix: Solid

Analysis Batch: 103520

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103506

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1257		mg/Kg		126	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1099		mg/Kg		110	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-103506/2-A

Matrix: Solid

Analysis Batch: 103520

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103506

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: LCSD 880-103506/3-A

Matrix: Solid

Analysis Batch: 103520

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103506

			Spike	LCSD	LCSD				%Rec			
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1274		mg/Kg		127	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)			1000	1108		mg/Kg		111	70 - 130	1	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-54785-1 MS

Matrix: Solid

Analysis Batch: 103520

Client Sample ID: CS-16 (4.5')

Prep Type: Total/NA

Prep Batch: 103506

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	929.3		mg/Kg		93	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.0	U	999	985.6		mg/Kg		99	70 - 130			

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 880-54785-1 MSD

Matrix: Solid

Analysis Batch: 103520

Client Sample ID: CS-16 (4.5')

Prep Type: Total/NA

Prep Batch: 103506

	Sample	Sample	Spike	MSD	MSD				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	974.4		mg/Kg		98	70 - 130	5	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1012		mg/Kg		101	70 - 130	3	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	111		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-103504/1-A

Matrix: Solid

Analysis Batch: 103511

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/24/25 14:56	1

Lab Sample ID: LCS 880-103504/2-A

Matrix: Solid

Analysis Batch: 103511

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	231.0		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-103504/3-A

Matrix: Solid

Analysis Batch: 103511

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	231.8		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-54785-5 MS

Matrix: Solid

Analysis Batch: 103511

Client Sample ID: CS-20 (8')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.0	U	251	246.3		mg/Kg		97	90 - 110

Lab Sample ID: 880-54785-5 MSD

Matrix: Solid

Analysis Batch: 103511

Client Sample ID: CS-20 (8')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.0	U	251	246.1		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 103394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54785-1	CS-16 (4.5')	Total/NA	Solid	5035	
880-54785-2	CS-17 (4.5')	Total/NA	Solid	5035	
880-54785-3	CS-18 (4.5')	Total/NA	Solid	5035	
880-54785-4	CS-19 (8')	Total/NA	Solid	5035	
880-54785-5	CS-20 (8')	Total/NA	Solid	5035	
880-54785-6	CS-21 (8')	Total/NA	Solid	5035	
880-54785-7	SW-22 (4.5')	Total/NA	Solid	5035	
880-54785-8	SW-23 (4.5')	Total/NA	Solid	5035	
880-54785-9	SW-24 (4.5-8')	Total/NA	Solid	5035	
880-54785-10	SW-25 (4.5-8')	Total/NA	Solid	5035	
880-54785-11	SW-26 (4.5-8')	Total/NA	Solid	5035	
880-54785-12	SW-27 (8')	Total/NA	Solid	5035	
880-54785-13	SW-28 (8')	Total/NA	Solid	5035	
880-54785-14	SW-29 (8')	Total/NA	Solid	5035	
MB 880-103394/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103394/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103394/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7699-A-41-E MS	Matrix Spike	Total/NA	Solid	5035	
890-7699-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 103489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54785-1	CS-16 (4.5')	Total/NA	Solid	8021B	103394
880-54785-2	CS-17 (4.5')	Total/NA	Solid	8021B	103394
880-54785-3	CS-18 (4.5')	Total/NA	Solid	8021B	103394
880-54785-4	CS-19 (8')	Total/NA	Solid	8021B	103394
880-54785-5	CS-20 (8')	Total/NA	Solid	8021B	103394
880-54785-6	CS-21 (8')	Total/NA	Solid	8021B	103394
880-54785-7	SW-22 (4.5')	Total/NA	Solid	8021B	103394
880-54785-8	SW-23 (4.5')	Total/NA	Solid	8021B	103394
880-54785-9	SW-24 (4.5-8')	Total/NA	Solid	8021B	103394
880-54785-10	SW-25 (4.5-8')	Total/NA	Solid	8021B	103394
880-54785-11	SW-26 (4.5-8')	Total/NA	Solid	8021B	103394
880-54785-12	SW-27 (8')	Total/NA	Solid	8021B	103394
880-54785-13	SW-28 (8')	Total/NA	Solid	8021B	103394
880-54785-14	SW-29 (8')	Total/NA	Solid	8021B	103394
MB 880-103394/5-A	Method Blank	Total/NA	Solid	8021B	103394
LCS 880-103394/1-A	Lab Control Sample	Total/NA	Solid	8021B	103394
LCSD 880-103394/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103394
890-7699-A-41-E MS	Matrix Spike	Total/NA	Solid	8021B	103394
890-7699-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	103394

Analysis Batch: 103644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54785-1	CS-16 (4.5')	Total/NA	Solid	Total BTEX	
880-54785-2	CS-17 (4.5')	Total/NA	Solid	Total BTEX	
880-54785-3	CS-18 (4.5')	Total/NA	Solid	Total BTEX	
880-54785-4	CS-19 (8')	Total/NA	Solid	Total BTEX	
880-54785-5	CS-20 (8')	Total/NA	Solid	Total BTEX	
880-54785-6	CS-21 (8')	Total/NA	Solid	Total BTEX	
880-54785-7	SW-22 (4.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 103644 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54785-8	SW-23 (4.5')	Total/NA	Solid	Total BTEX	
880-54785-9	SW-24 (4.5-8')	Total/NA	Solid	Total BTEX	
880-54785-10	SW-25 (4.5-8')	Total/NA	Solid	Total BTEX	
880-54785-11	SW-26 (4.5-8')	Total/NA	Solid	Total BTEX	
880-54785-12	SW-27 (8')	Total/NA	Solid	Total BTEX	
880-54785-13	SW-28 (8')	Total/NA	Solid	Total BTEX	
880-54785-14	SW-29 (8')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 103506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54785-1	CS-16 (4.5')	Total/NA	Solid	8015NM Prep	
880-54785-2	CS-17 (4.5')	Total/NA	Solid	8015NM Prep	
880-54785-3	CS-18 (4.5')	Total/NA	Solid	8015NM Prep	
880-54785-4	CS-19 (8')	Total/NA	Solid	8015NM Prep	
880-54785-5	CS-20 (8')	Total/NA	Solid	8015NM Prep	
880-54785-6	CS-21 (8')	Total/NA	Solid	8015NM Prep	
880-54785-7	SW-22 (4.5')	Total/NA	Solid	8015NM Prep	
880-54785-8	SW-23 (4.5')	Total/NA	Solid	8015NM Prep	
880-54785-9	SW-24 (4.5-8')	Total/NA	Solid	8015NM Prep	
880-54785-10	SW-25 (4.5-8')	Total/NA	Solid	8015NM Prep	
880-54785-11	SW-26 (4.5-8')	Total/NA	Solid	8015NM Prep	
880-54785-12	SW-27 (8')	Total/NA	Solid	8015NM Prep	
880-54785-13	SW-28 (8')	Total/NA	Solid	8015NM Prep	
880-54785-14	SW-29 (8')	Total/NA	Solid	8015NM Prep	
MB 880-103506/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103506/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103506/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54785-1 MS	CS-16 (4.5')	Total/NA	Solid	8015NM Prep	
880-54785-1 MSD	CS-16 (4.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 103520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54785-1	CS-16 (4.5')	Total/NA	Solid	8015B NM	103506
880-54785-2	CS-17 (4.5')	Total/NA	Solid	8015B NM	103506
880-54785-3	CS-18 (4.5')	Total/NA	Solid	8015B NM	103506
880-54785-4	CS-19 (8')	Total/NA	Solid	8015B NM	103506
880-54785-5	CS-20 (8')	Total/NA	Solid	8015B NM	103506
880-54785-6	CS-21 (8')	Total/NA	Solid	8015B NM	103506
880-54785-7	SW-22 (4.5')	Total/NA	Solid	8015B NM	103506
880-54785-8	SW-23 (4.5')	Total/NA	Solid	8015B NM	103506
880-54785-9	SW-24 (4.5-8')	Total/NA	Solid	8015B NM	103506
880-54785-10	SW-25 (4.5-8')	Total/NA	Solid	8015B NM	103506
880-54785-11	SW-26 (4.5-8')	Total/NA	Solid	8015B NM	103506
880-54785-12	SW-27 (8')	Total/NA	Solid	8015B NM	103506
880-54785-13	SW-28 (8')	Total/NA	Solid	8015B NM	103506
880-54785-14	SW-29 (8')	Total/NA	Solid	8015B NM	103506
MB 880-103506/1-A	Method Blank	Total/NA	Solid	8015B NM	103506
LCS 880-103506/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103506
LCSD 880-103506/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103506

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 103520 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54785-1 MS	CS-16 (4.5')	Total/NA	Solid	8015B NM	103506
880-54785-1 MSD	CS-16 (4.5')	Total/NA	Solid	8015B NM	103506

Analysis Batch: 103648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54785-1	CS-16 (4.5')	Total/NA	Solid	8015 NM	
880-54785-2	CS-17 (4.5')	Total/NA	Solid	8015 NM	
880-54785-3	CS-18 (4.5')	Total/NA	Solid	8015 NM	
880-54785-4	CS-19 (8')	Total/NA	Solid	8015 NM	
880-54785-5	CS-20 (8')	Total/NA	Solid	8015 NM	
880-54785-6	CS-21 (8')	Total/NA	Solid	8015 NM	
880-54785-7	SW-22 (4.5')	Total/NA	Solid	8015 NM	
880-54785-8	SW-23 (4.5')	Total/NA	Solid	8015 NM	
880-54785-9	SW-24 (4.5-8')	Total/NA	Solid	8015 NM	
880-54785-10	SW-25 (4.5-8')	Total/NA	Solid	8015 NM	
880-54785-11	SW-26 (4.5-8')	Total/NA	Solid	8015 NM	
880-54785-12	SW-27 (8')	Total/NA	Solid	8015 NM	
880-54785-13	SW-28 (8')	Total/NA	Solid	8015 NM	
880-54785-14	SW-29 (8')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 103504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54785-1	CS-16 (4.5')	Soluble	Solid	DI Leach	
880-54785-2	CS-17 (4.5')	Soluble	Solid	DI Leach	
880-54785-3	CS-18 (4.5')	Soluble	Solid	DI Leach	
880-54785-4	CS-19 (8')	Soluble	Solid	DI Leach	
880-54785-5	CS-20 (8')	Soluble	Solid	DI Leach	
880-54785-6	CS-21 (8')	Soluble	Solid	DI Leach	
880-54785-7	SW-22 (4.5')	Soluble	Solid	DI Leach	
880-54785-8	SW-23 (4.5')	Soluble	Solid	DI Leach	
880-54785-9	SW-24 (4.5-8')	Soluble	Solid	DI Leach	
880-54785-10	SW-25 (4.5-8')	Soluble	Solid	DI Leach	
880-54785-11	SW-26 (4.5-8')	Soluble	Solid	DI Leach	
880-54785-12	SW-27 (8')	Soluble	Solid	DI Leach	
880-54785-13	SW-28 (8')	Soluble	Solid	DI Leach	
880-54785-14	SW-29 (8')	Soluble	Solid	DI Leach	
MB 880-103504/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103504/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103504/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-54785-5 MS	CS-20 (8')	Soluble	Solid	DI Leach	
880-54785-5 MSD	CS-20 (8')	Soluble	Solid	DI Leach	

Analysis Batch: 103511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54785-1	CS-16 (4.5')	Soluble	Solid	300.0	103504
880-54785-2	CS-17 (4.5')	Soluble	Solid	300.0	103504
880-54785-3	CS-18 (4.5')	Soluble	Solid	300.0	103504
880-54785-4	CS-19 (8')	Soluble	Solid	300.0	103504
880-54785-5	CS-20 (8')	Soluble	Solid	300.0	103504

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 103511 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54785-6	CS-21 (8')	Soluble	Solid	300.0	103504
880-54785-7	SW-22 (4.5')	Soluble	Solid	300.0	103504
880-54785-8	SW-23 (4.5')	Soluble	Solid	300.0	103504
880-54785-9	SW-24 (4.5-8')	Soluble	Solid	300.0	103504
880-54785-10	SW-25 (4.5-8')	Soluble	Solid	300.0	103504
880-54785-11	SW-26 (4.5-8')	Soluble	Solid	300.0	103504
880-54785-12	SW-27 (8')	Soluble	Solid	300.0	103504
880-54785-13	SW-28 (8')	Soluble	Solid	300.0	103504
880-54785-14	SW-29 (8')	Soluble	Solid	300.0	103504
MB 880-103504/1-A	Method Blank	Soluble	Solid	300.0	103504
LCS 880-103504/2-A	Lab Control Sample	Soluble	Solid	300.0	103504
LCSD 880-103504/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103504
880-54785-5 MS	CS-20 (8')	Soluble	Solid	300.0	103504
880-54785-5 MSD	CS-20 (8')	Soluble	Solid	300.0	103504

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: CS-16 (4.5')

Lab Sample ID: 880-54785-1

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 13:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 13:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103648	02/24/25 19:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 19:16	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 16:11	CH	EET MID

Client Sample ID: CS-17 (4.5')

Lab Sample ID: 880-54785-2

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 14:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 14:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103648	02/24/25 20:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 20:05	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 16:16	CH	EET MID

Client Sample ID: CS-18 (4.5')

Lab Sample ID: 880-54785-3

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 14:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 14:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103648	02/24/25 20:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 20:22	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 16:22	CH	EET MID

Client Sample ID: CS-19 (8')

Lab Sample ID: 880-54785-4

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 14:52	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: CS-19 (8')

Lab Sample ID: 880-54785-4

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			103648	02/24/25 20:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 20:37	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 16:28	CH	EET MID

Client Sample ID: CS-20 (8')

Lab Sample ID: 880-54785-5

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 16:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 16:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103648	02/24/25 20:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 20:53	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 16:33	CH	EET MID

Client Sample ID: CS-21 (8')

Lab Sample ID: 880-54785-6

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 16:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103648	02/24/25 21:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 21:09	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 16:50	CH	EET MID

Client Sample ID: SW-22 (4.5')

Lab Sample ID: 880-54785-7

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 16:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 16:59	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103648	02/24/25 21:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 21:25	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: SW-22 (4.5')

Lab Sample ID: 880-54785-7

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 16:56	CH	EET MID

Client Sample ID: SW-23 (4.5')

Lab Sample ID: 880-54785-8

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 17:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103648	02/24/25 21:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 21:43	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 17:13	CH	EET MID

Client Sample ID: SW-24 (4.5-8')

Lab Sample ID: 880-54785-9

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 17:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 17:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103648	02/24/25 21:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 21:58	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 17:19	CH	EET MID

Client Sample ID: SW-25 (4.5-8')

Lab Sample ID: 880-54785-10

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 18:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 18:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103648	02/24/25 22:15	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 22:15	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 17:24	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: SW-26 (4.5-8')

Lab Sample ID: 880-54785-11

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 18:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 18:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103648	02/24/25 22:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 22:47	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 17:30	CH	EET MID

Client Sample ID: SW-27 (8')

Lab Sample ID: 880-54785-12

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 18:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 18:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103648	02/24/25 23:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 23:03	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 17:36	CH	EET MID

Client Sample ID: SW-28 (8')

Lab Sample ID: 880-54785-13

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 19:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 19:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103648	02/24/25 23:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 23:20	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 17:41	CH	EET MID

Client Sample ID: SW-29 (8')

Lab Sample ID: 880-54785-14

Date Collected: 02/21/25 00:00

Matrix: Solid

Date Received: 02/24/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	103394	02/24/25 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103489	02/24/25 19:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103644	02/24/25 19:23	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Client Sample ID: SW-29 (8')
Date Collected: 02/21/25 00:00
Date Received: 02/24/25 09:30

Lab Sample ID: 880-54785-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			103648	02/24/25 23:36	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103506	02/24/25 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103520	02/24/25 23:36	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103504	02/24/25 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103511	02/24/25 17:47	CH	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: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
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: Riverbend 12-13 Federal Com 20H

Job ID: 880-54785-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54785-1	CS-16 (4.5')	Solid	02/21/25 00:00	02/24/25 09:30
880-54785-2	CS-17 (4.5')	Solid	02/21/25 00:00	02/24/25 09:30
880-54785-3	CS-18 (4.5')	Solid	02/21/25 00:00	02/24/25 09:30
880-54785-4	CS-19 (8')	Solid	02/21/25 00:00	02/24/25 09:30
880-54785-5	CS-20 (8')	Solid	02/21/25 00:00	02/24/25 09:30
880-54785-6	CS-21 (8')	Solid	02/21/25 00:00	02/24/25 09:30
880-54785-7	SW-22 (4.5')	Solid	02/21/25 00:00	02/24/25 09:30
880-54785-8	SW-23 (4.5')	Solid	02/21/25 00:00	02/24/25 09:30
880-54785-9	SW-24 (4.5-8')	Solid	02/21/25 00:00	02/24/25 09:30
880-54785-10	SW-25 (4.5-8')	Solid	02/21/25 00:00	02/24/25 09:30
880-54785-11	SW-26 (4.5-8')	Solid	02/21/25 00:00	02/24/25 09:30
880-54785-12	SW-27 (8')	Solid	02/21/25 00:00	02/24/25 09:30
880-54785-13	SW-28 (8')	Solid	02/21/25 00:00	02/24/25 09:30
880-54785-14	SW-29 (8')	Solid	02/21/25 00:00	02/24/25 09:30

Chain of Custody

Work



Page 1 of 2

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

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ Other: ☐

Project Name:		Riverbend 12-13 Federal Com 20H		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Project Number:		2612		☐ Routine ☒ Rush			Parameters	Hold																None: NO DI Water: H ₂ O							
Project Location		Eddy Co, NM		Due Date: 24 Hr TAT																				Cool: Cool MeOH: Me							
Sampler's Name:		CMM																						HCL: HC HNO ₃ : HN							
PO #:																										H ₂ SO ₄ : H ₂ NaOH: Na					
SAMPLE RECEIPT		Temp Blank: Yes ☒ No ☐ N/A		Yes ☐ No ☒ Wet Ice: Yes ☐ No ☒		Thermometer ID: <i>IR5</i>		BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0																H ₃ PO ₄ : HP							
Received Intact:		Yes ☒ No ☐ N/A		Correction Factor:		Temperature Reading: <i>-8.8</i>																		NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes ☐ No ☒ N/A		Temperature Reading:		Corrected Temperature: <i>-8.9</i>																		Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes ☐ No ☒ N/A																						Zn Acetate+NaOH: Zn							
Total Containers:																								NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
CS-16 (4.5')		2/21/2025				X				C		1		X X X																	
CS-17 (4.5')		2/21/2025				X				C		1		X X X																	
CS-18 (4.5')		2/21/2025				X				C		1		X X X																	
CS-19 (8')		2/21/2025				X				C		1		X X X																	
CS-20 (8')		2/21/2025				X				C		1		X X X																	
CS-21 (8')		2/21/2025				X				C		1		X X X																	
SW-22 (4.5')		2/21/2025				X				C		1		X X X																	
SW-23 (4.5')		2/21/2025				X				C		1		X X X																	
SW-24 (4.5'-8')		2/21/2025				X				C		1		X X X																	
SW-25 (4.5'-8')		2/21/2025				X				C		1		X X X																	

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>		<i>[Signature]</i>	2/24/25 9:30

Work Order No: _____

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

Work Order Comments				
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund				
State of Project:				
Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐				
Deliverables: EDD ☐ ADaPT ☐ Other:				

[illegible]

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			2/21/25 93

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-54785-1

SDG Number: Eddy Co, NM

Login Number: 54785

List Number: 1

List Source: Eurofins Midland

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	



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

February 21, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: RIVERBEND 12-13 FEDERAL COM 20H

Enclosed are the results of analyses for samples received by the laboratory on 02/20/25 15:47.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	RIVERBEND 12-13 FEDERAL COM 20H	Sampling Condition:	Cool & Intact
Project Number:	2612	Sample Received By:	Alyssa Parras
Project Location:	CIMAREX		

Sample ID: FRED BEARD BACKFILL (H251027-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.01		
Toluene*	<0.050	0.050	02/21/2025	ND	2.25	112	2.00	7.38		
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.29	115	2.00	7.19		
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.04	117	6.00	7.03		
Total BTEX	<0.300	0.300	02/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/21/2025	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	02/21/2025	ND	226	113	200	5.73	
DRO >C10-C28*	<10.0	10.0	02/21/2025	ND	216	108	200	8.92	
EXT DRO >C28-C36	<10.0	10.0	02/21/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Common Resources</u>				BILL TO				ANALYSIS REQUEST																			
Project Manager: <u>Ashton Threlke</u>				P.O. #:				Bkx 802173 TPH 8015 M (Grot Pro Mro) CH/Gravel 4500																			
Address: <u>310 W Wall St Suite 500</u>				Company: <u>Common Energy</u>																							
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>				Attn: <u>Lucy Lewis</u>																							
Phone #: <u>432-513-8288</u> Fax #:				Address: <u>600 N Mainfield St Suite 600</u>																							
Project #: <u>2612</u> Project Owner: <u>Common Energy</u>				City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>																							
Project Name: <u>Riverband 12-13 Federal Com 2014</u>				Phone #:																							
Project Location:				Fax #:																							
Sampler Name: <u>Coale</u>																											
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS)		MATRIX				PRESERV.		SAMPLING													
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE TIME													
		<u>HAS1027</u>		<u>Fred Beard Backfill</u>		<u>G1</u>		<u>X</u>				<u>X</u>		<u>2/20/25</u>													

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

Relinquished By: <u>Cole Mackay</u>		Date: <u>2-20-25</u>		Received By: <u>[Signature]</u>		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
		Time: <u>15:47</u>				All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C <u>33.2</u>		Sample Condition Cool Intact ☒ Yes ☐ No		CHECKED BY: (Initials) <u>AD</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>3.6</u>		☐ Yes ☐ No		Turnaround Time: Standard ☐ Rush ☒	
						Thermometer ID #140 Correction Factor +0.3°C	
						Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ No ☐ Yes ☐ No	
						Observed Temp. °C Corrected Temp. °C	

FORM-006 R 3.0 02/12/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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

QUESTIONS

Action 437232

QUESTIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 437232
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435260145
Incident Name	NAPP2435260145 RIVERBEND 12-13 FEDERAL COM 29H @ 0
Incident Type	Other
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2123545971] RIVERBEND 12-13

Location of Release Source*Please answer all the questions in this group.*

Site Name	RIVERBEND 12-13 FEDERAL COM 29H
Date Release Discovered	12/17/2024
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

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

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 9 BBL Recovered: 9 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 18 BBL Recovered: 1 BBL Lost: 17 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 437232

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 02/28/2025
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QUESTIONS, Page 3

Action 437232

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 437232
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (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 and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 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	Between 1 and 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	21900
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	17100
GRO+DRO (EPA SW-846 Method 8015M)	17060
BTEX (EPA SW-846 Method 8021B or 8260B)	31.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	02/17/2025
On what date will (or did) the final sampling or liner inspection occur	02/20/2025
On what date will (or was) the remediation complete(d)	02/26/2025
What is the estimated surface area (in square feet) that will be reclaimed	2900
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	2900
What is the estimated volume (in cubic yards) that will be remediated	340
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 437232

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 437232
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff - Orla, Texas
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 02/28/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 437232

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 437232

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	432145
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/19/2025
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	2200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	2900
What was the total volume (cubic yards) remediated	340
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)	All contaminated material has been removed. Since this is an active pipeline ROW, the areas directly overtop and within 2' of buried pipelines were removed via hydrovac to reduce the risk of damaging the pipelines. Once that was complete, the impacted areas next to the pipelines were mechanically excavated and removed. Once the lab confirmed all composite confirmation samples were acceptable, the entire area was backfilled with clean backfill material.
<i>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>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 02/28/2025

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Action 437232

QUESTIONS (continued)

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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 437232

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvez	None	6/5/2025