

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Big Buck (03.11.2025)
Incident # NAPP2507068248
Lea County, New Mexico
Unit C Sec 12 T21S R32E
32.499358°, -103.632389°

Produced Water Release
Point of Release: Corrosion Within Pipeline
Release Date: 03.11.2025
Volume Released: 4,025.75 Barrels of Produced Water
Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Delek Logistics Company
305 N. Washington
El Dorado, Arkansas 71730

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

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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 REMEDIATION ACTIVITIES

6.0 REVEGETATION ACTIVITIES

7.0 CONCLUSIONS

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC
FIGURE 3A-3B	SAMPLE LOCATION	FIGURE 4A-4E	EXCAVATION
FIGURE 5	REVEGETATION AREA		

APPENDICES

APPENDIX A	TABLES
APPENDIX B	PHOTOS
APPENDIX C	NMOCD CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION, GROUNDWATER, & KARST
APPENDIX E	LABORATORY REPORTS



October 15, 2025

New Mexico Oil Conservation District
1220 South St, France Drive
Santa Fe, NM 87505

**Re: Work Plan
Big Buck (03.11.2025)
Delek Logistics Company
Incident # NAPP2507068248
Site Location: Unit C Sec 12 T21S R32E
(Lat 32.499358°, Long -103.632389°)
Lea County, New Mexico**

To whom it may concern:

On behalf of Delek Logistics Company (Delek), Carmona Resources, LLC (Carmona Resources) has prepared this letter to document site assessment activities at the Big Buck. The site is located at 32.499358°, -103.632389° within Unit C, Sec 12, T21S, R32E in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on March 11, 2025, due to corrosion within a buried pipeline. It resulted in the release of four thousand twenty-five point seven five (4,025.75) barrels of produced water along the pipeline right of way and into the pasture, with zero (0) barrels of produced water recovered. See Figures 3A & 3B for the release area. The Notification of Release is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest Groundwater Determination Bore (GWDB) is located approximately 0.25 miles Northwest of the site in S01, T21S, R32E (32.500883°, -103.636172°) and was drilled in 2021. The bore was drilled to a depth of 55 feet below the ground surface (ft bgs). No evidence of groundwater was detected after 72 hours. A copy of the associated well log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

4.0 Site Assessment Activities

Initial Assessment

Between March 18, 2025, and March 25, 2025, Carmona Resources was onsite to evaluate the vertical and horizontal soil impact stemming from the release. A total of ten (10) borehole samples (BH-1 through BH-10) and twenty (20) horizontal samples (H-1 through H-20) were advanced to depths ranging from surface to 7.0' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figures 3A through



3B for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8021B, and Chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

Vertical delineation was achieved in the areas of BH-1 and BH-3 through BH-8 for Benzene, total BTEX, TPH, and Chloride concentrations. The areas of BH-2, BH-9, and BH-10 showed elevated concentrations of Chloride and TPH and were delineated during remediation activities via composite confirmation sampling.

Horizontal Delineation

The areas of H-1 through H-20 were below the regulatory limits for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Prior to beginning the remediation, a 400sqft confirmation sampling variance was submitted and approved to the NMOCD on May 20, 2025. See Appendix C, page 61. Beginning on September 15, 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 September 11, 2025, and September 29, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of BH-1 through

BH-8 was excavated to a depth of 4.5 ft bgs and measured approximately 8,155 square feet. The area of BH-9 and BH-10 was excavated to a depth of 8.5 ft bgs and measured approximately 1,993 square feet. A total of twenty-nine (29) confirmation floor samples (CS-1 through CS-29), and thirty-nine (39) sidewall samples (SW-1 through SW-39) were collected every 400 square feet to ensure the proper removal of the contaminated soils. For chemical analysis, the soil samples were collected and placed into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas, and Cardinal Laboratories in Hobbs, New Mexico. 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 and 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and Chloride. Refer to Table 1. The excavation depth and confirmation sample locations are shown in Figures 4A through 4E.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. A composite sample of the backfill material was collected for laboratory analysis on September 25, 2025, before being utilized. The backfill material was sourced from the local land owner at 32.488083, -103.510417. Refer to Table 1. Approximately 10,148 square feet of contamination was remediated, resulting in 2,295 cubic yards of material being excavated and transported offsite for proper disposal.

6.0 Revegetation Activities

On October 10, 2025, the backfilled areas in the pasture were seeded via seed drill with the appropriate pounds of pure live seed per acre. The topsoil was furrowed with the seed drill to aid the vegetation process. The seed mixture used was BLM #2 LPC Sandy Mixture. The reseeded area measured approximately 10,148 square feet. See Figure 5 for the revegetation area.



7.0 Conclusions

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

Sincerely,
Carmona Resources, LLC

Ashton Thielke
Environmental Manager

Gilbert Priego
Project Manager

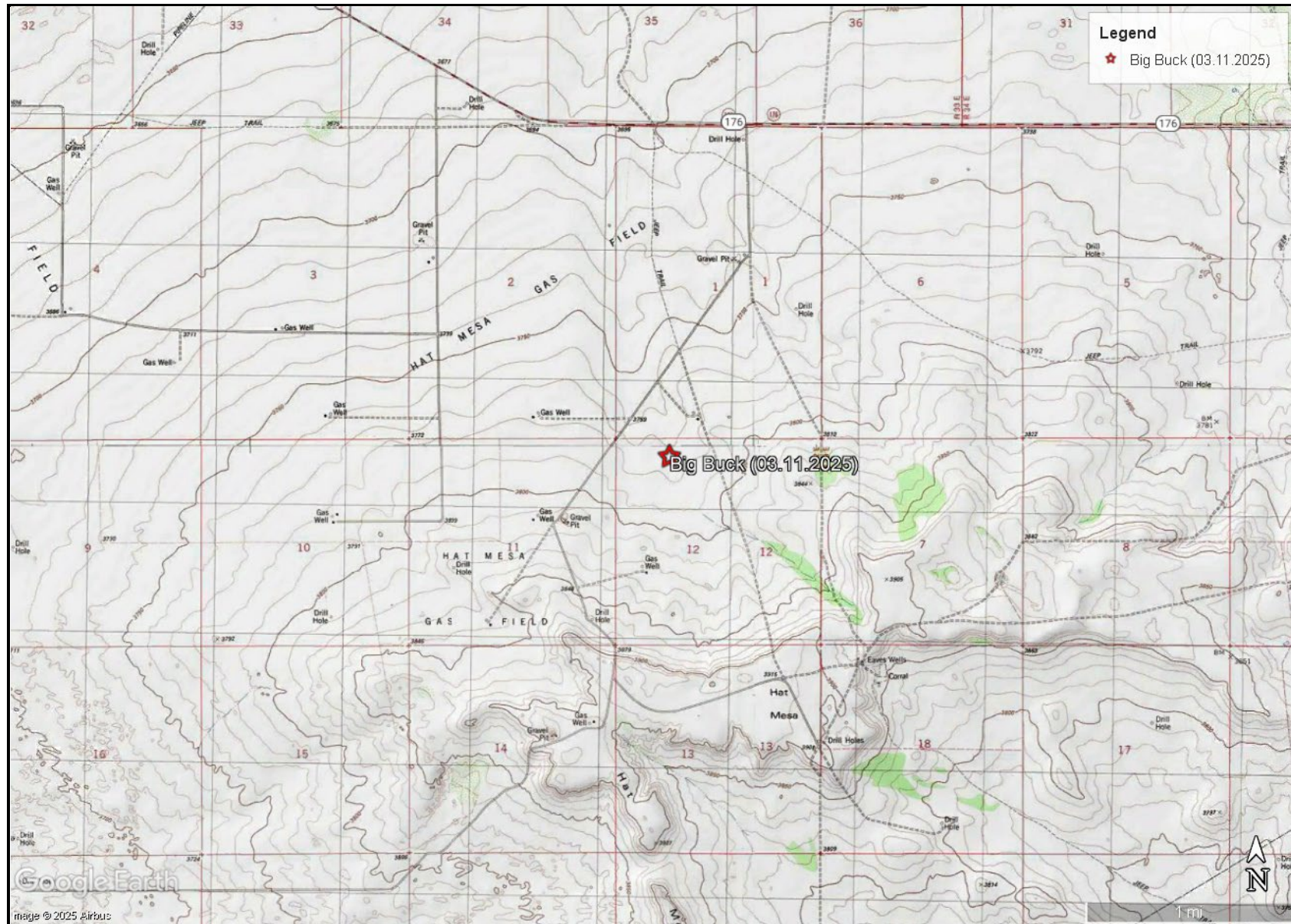
FIGURES

CARMONA RESOURCES





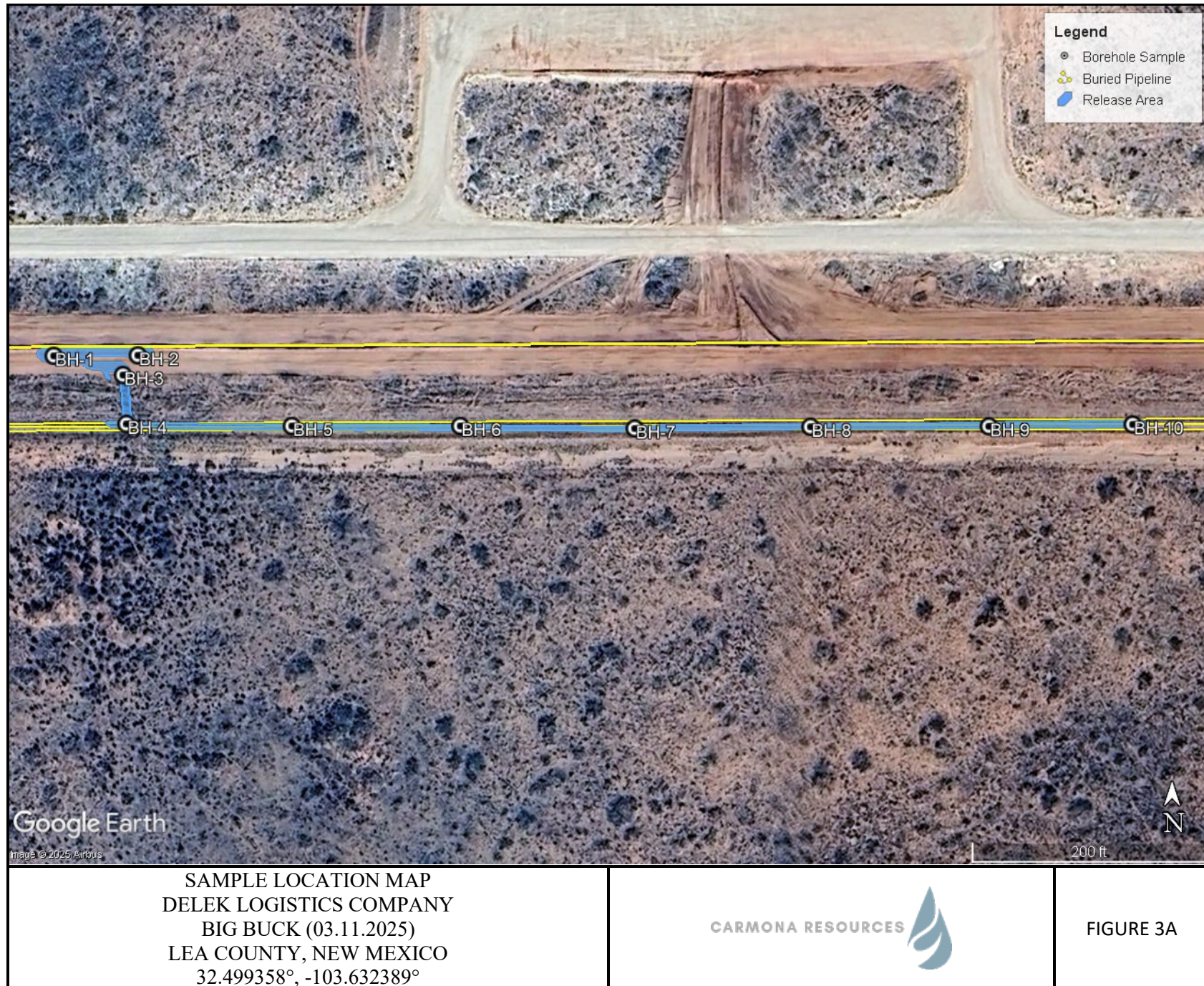
<p>SITE OVERVIEW MAP DELEK LOGISTICS COMPANY BIG BUCK (03.11.2025) LEA COUNTY, NEW MEXICO 32.499358°, -103.632389°</p>	<p>CARMONA RESOURCES</p> 	<p>FIGURE 1</p>
--	--	-----------------

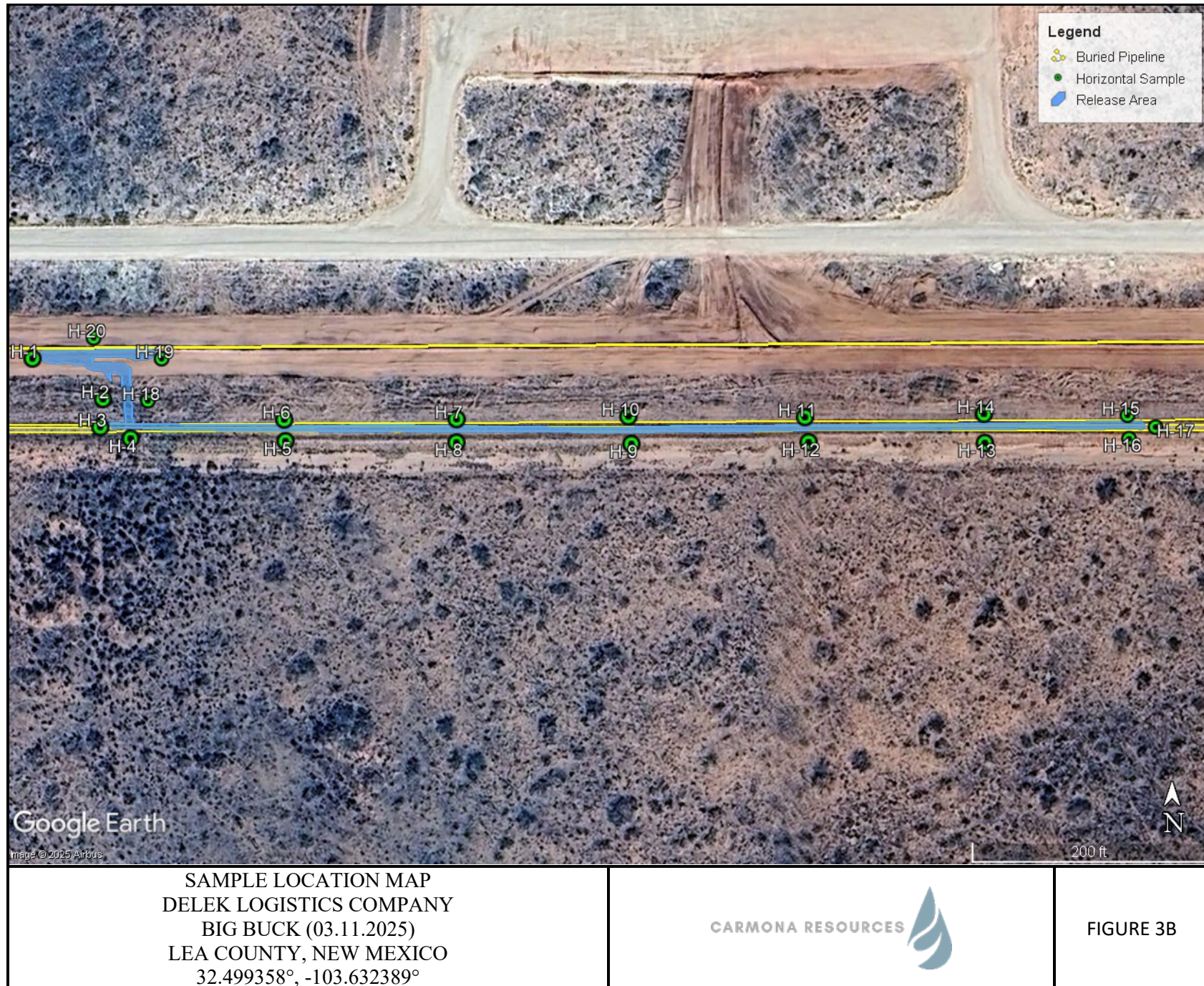


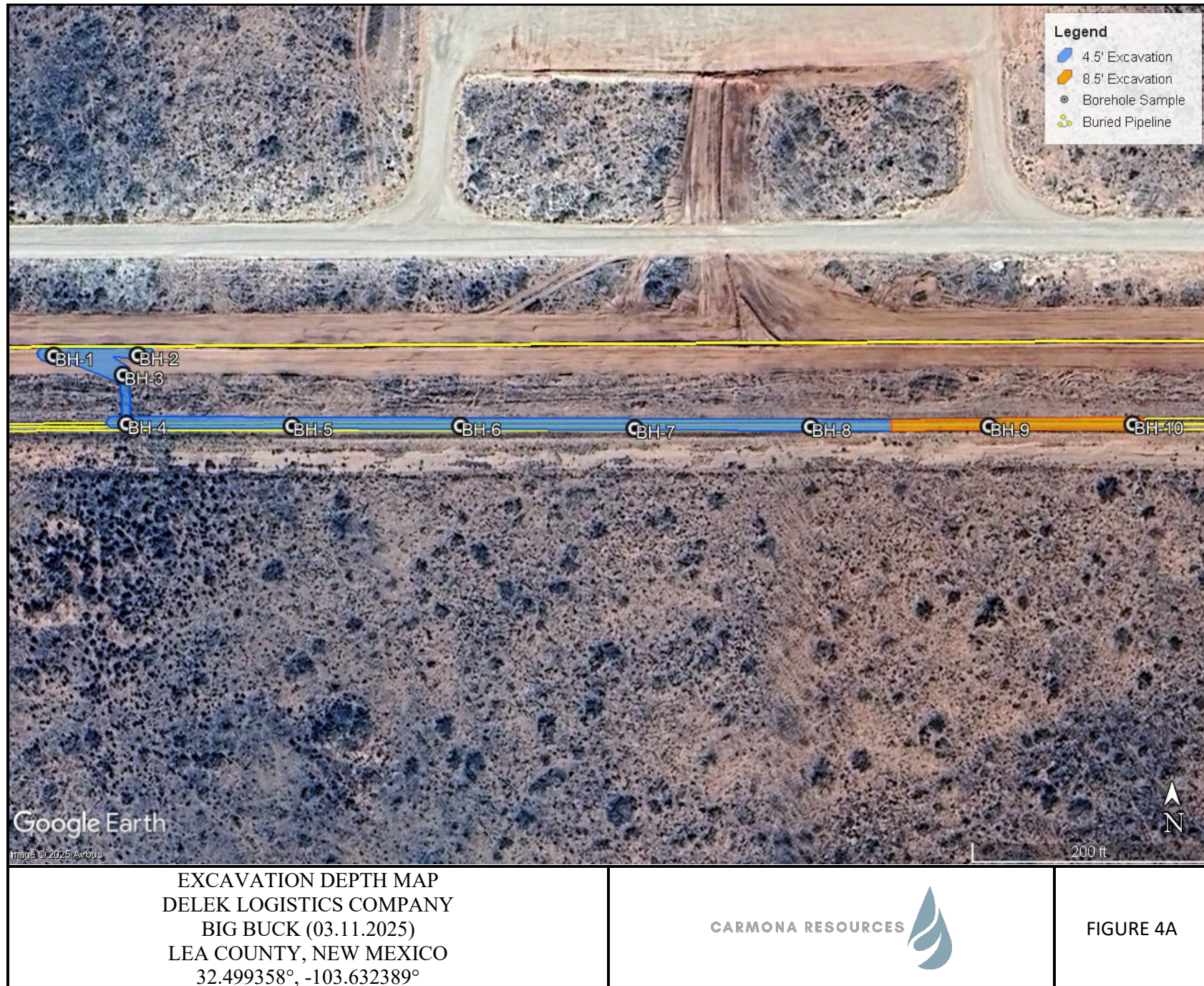
TOPOGRAPHIC MAP
DELEK LOGISTICS COMPANY
BIG BUCK (03.11.2025)
LEA COUNTY, NEW MEXICO
32.499358°, -103.632389°

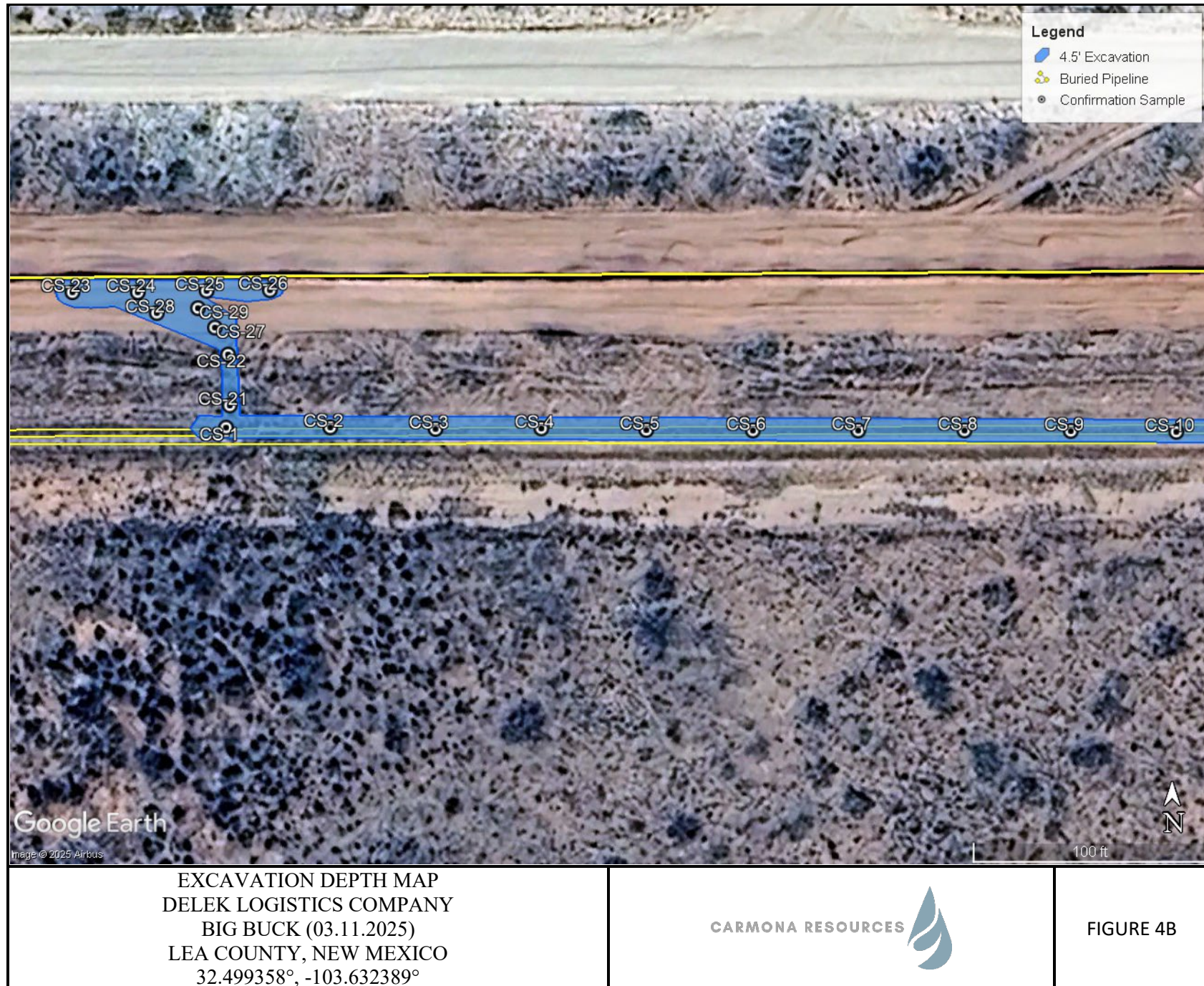


FIGURE 2



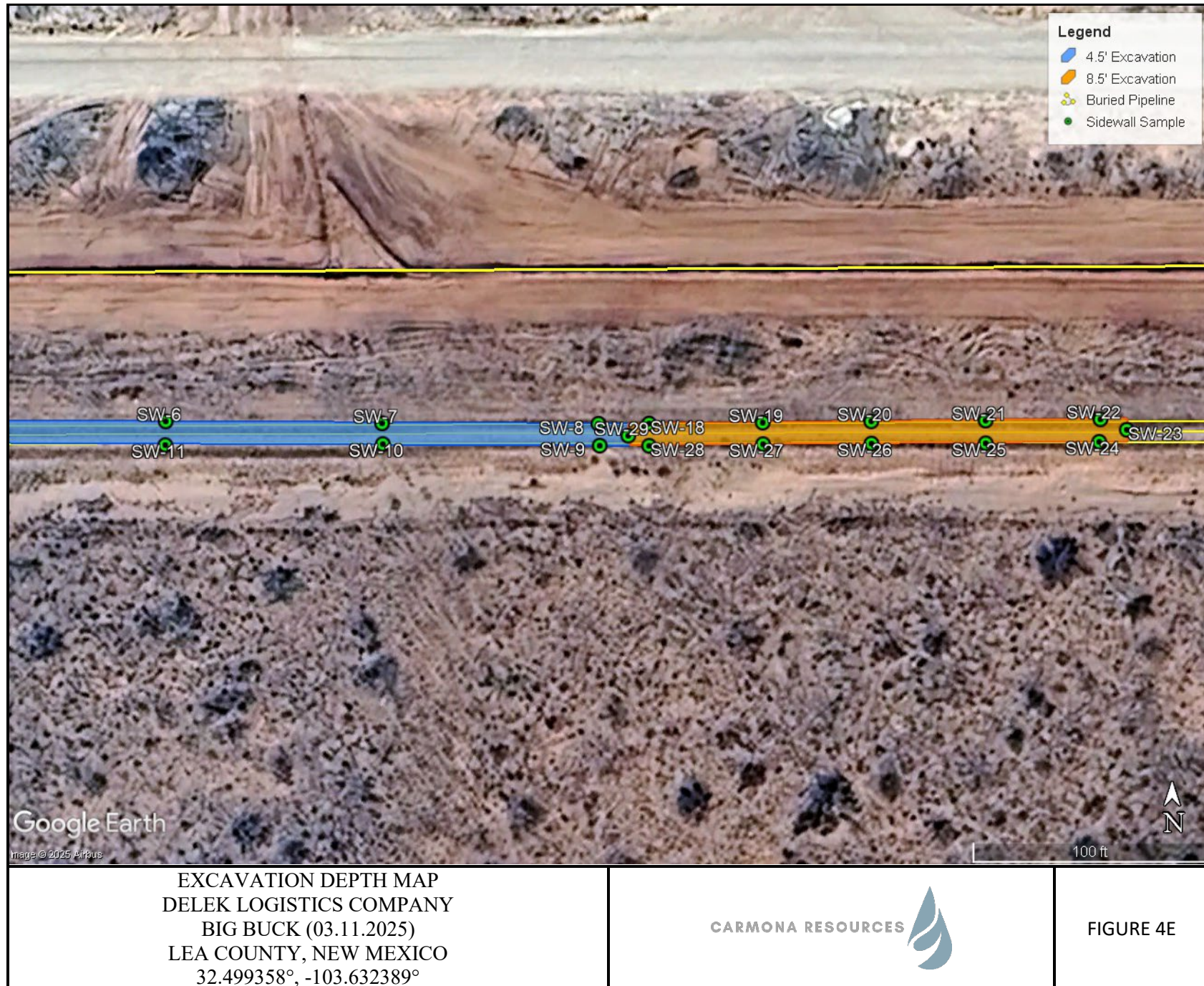


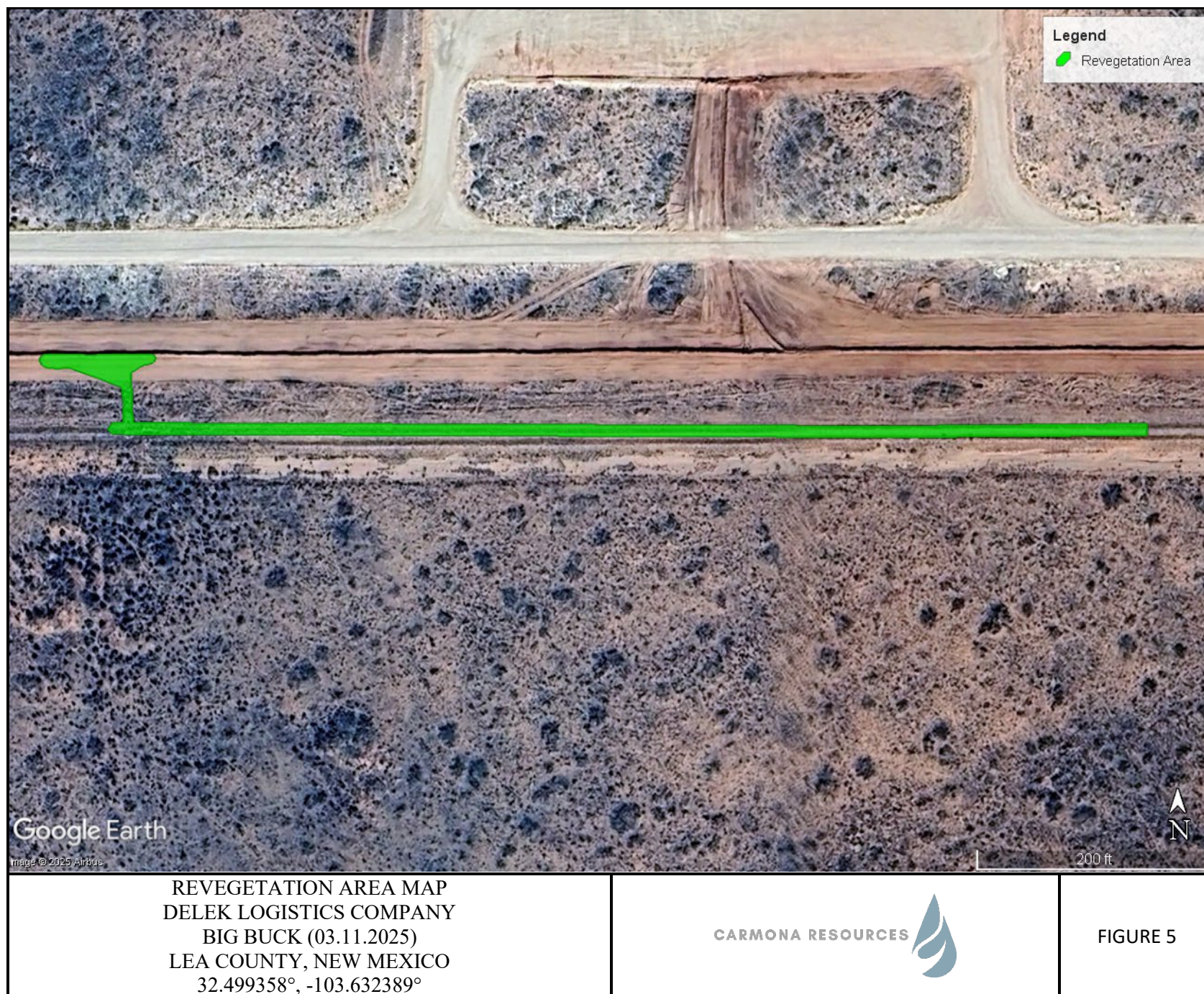












APPENDIX A

CARMONA RESOURCES



Table 1
Delek Logistics
Big Buck (03.11.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
BH-1	3/25/2025	0-6"	1,660	14,500	2,310	18,470	<0.100	1.13	9.32	31.2	41.6	2,720
	"	1'	37.6	570	88.0	696	<0.050	<0.050	0.154	0.348	0.502	2,840
	"	2'	<10.0	130	22.2	152	<0.050	<0.050	<0.050	<0.150	<0.300	3,120
	"	3'	<10.0	31.5	<10.0	31.5	<0.050	<0.050	<0.050	<0.150	<0.300	3,840
	"	4'	16.7	505	85.2	607	<0.050	<0.050	<0.050	<0.150	<0.300	4,160
	"	5'	<10.0	22.9	<10.0	22.9	<0.050	<0.050	<0.050	<0.150	<0.300	6,320
	"	6'	<10.0	261	46.7	307.7	<0.050	<0.050	<0.050	<0.150	<0.300	6,000
BH-2	3/25/2025	0-6"	1,220	12,900	2,190	16,310	<0.100	1.88	8.96	26.6	37.5	3,120
	"	1'	<10.0	144	25.0	128	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	2'	<10.0	169	30.1	199	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	3'	<10.0	273	50.5	324	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	4'	<10.0	72.9	14.0	86.9	<0.050	<0.050	<0.050	<0.150	<0.300	6,800
BH-3	3/18/2025	0-6"	598	24,000	4520	29,118	<0.050	0.705	2.11	10.5	13.3	6,000
	"	1'	147	1,510	210	1,867	<0.050	0.381	1.10	6.12	7.6	4,300
	"	1.5'	11.3	341	38.4	391	<0.050	<0.050	<0.050	<0.150	<0.300	4,480
	"	2'	22.2	626	98.8	747	<0.050	<0.050	0.103	0.806	0.909	4,560
	"	3'	<10.0	334	62.8	397	<0.050	<0.050	<0.050	<0.150	<0.300	7,040
	"	4'	<10.0	352	60.0	412	<0.050	<0.050	<0.050	<0.150	<0.300	7,680
	"	5'	<10.0	112	10.3	122	<0.050	<0.050	<0.050	<0.150	<0.300	7,040
	"	6'	<10.0	186	23.6	210	<0.050	<0.050	<0.050	<0.150	<0.300	8,080
BH-4	3/25/2025	0-6"	2,860	15,400	2,490	20,750	<1.00	10.6	26.1	75.1	112	4,160
	"	1'	2,270	11,400	1,770	15,440	<1.00	6.66	20.1	56.6	83.4	2,920
	"	2'	<10.0	168	29.0	197	<0.050	<0.050	<0.050	<0.150	<0.300	4,489
	"	3'	322	3,010	500	3,832	<0.050	0.505	3.44	9.32	13.3	4,480
	"	4'	22.2	500	91.3	614	<0.050	<0.050	<0.050	<0.150	<0.300	7,600
	"	5'	<10.0	19.0	<10.0	19.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,200
	"	6'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,320
BH-5	3/25/2025	0-6"	1,130	5,950	933	8,013	<0.100	2.48	10.5	28.3	41.3	5,280
	"	1'	<10.0	165	<10.0	165	<0.050	<0.050	<0.050	0.236	<0.300	3,440
	"	2'	31.6	849	123	1,004	<0.050	<0.050	0.100	0.651	0.751	3,520
	"	3'	<10.0	28.9	<10.0	28.9	<0.050	<0.050	<0.050	<0.150	<0.300	4,080
	"	4'	<10.0	11.1	<10.0	11.1	<0.050	<0.050	<0.050	<0.150	<0.300	7,520
	"	5'	<10.0	23.6	<10.0	23.6	<0.050	<0.050	<0.050	<0.150	<0.300	3,840
	"	6'	<10.0	11.2	<10.0	11.2	<0.050	<0.050	<0.050	<0.150	<0.300	6,880
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(BH) Borehole Sample

Removed

Table 1
Delek Logistics
Big Buck (03.11.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
BH-6	3/21/2025	0-6"	4,560	16,000	1,840	22,400	1.62	61.5	49.0	174	286	5,120
	"	1'	46.4	395	58.0	499	<0.050	0.684	0.405	2.24	3.33	4,080
	"	2'	<10.0	77.7	<10.0	77.7	<0.050	<0.050	<0.050	<0.150	<0.300	7,040
	"	3'	10.3	282	42.4	335	<0.050	<0.050	0.076	<0.150	<0.300	6,880
	"	4'	<10.0	113	15.9	129	<0.050	<0.050	0.080	0.219	<0.300	7,840
	"	5'	<10.0	15.9	<10.0	15.9	<0.050	<0.050	<0.050	<0.150	<0.300	8,130
	"	6'	<10.0	11.1	<10.0	11.1	<0.050	0.079	<0.050	<0.150	<0.300	6,930
BH-7	3/21/2025	0-6"	2,320	6,870	1,040	10,230	<0.0500	23.3	33.1	85.9	142	5,330
	"	1'	128	707	93.5	929	<0.50	1.06	1.4	3.57	6.03	4,480
	"	2'	<10.0	62.1	<10.0	62.1	<0.050	<0.050	<0.050	<0.150	<0.300	6,000
	"	3'	<10.0	10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,000
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,600
	"	5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,360
	"	6'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,920
BH-8	3/21/2025	0-6"	2,460	8,480	1,290	12,230	0.578	23.7	39.2	105	169	5,040
	"	1'	68.1	569	87.0	724	<0.050	0.515	1.4	3.81	5.73	5,360
	"	2'	18.1	319	49.3	386	<0.050	<0.050	0.151	0.412	0.563	5,200
	"	3'	<10.0	13.3	<10.0	13.3	<0.050	<0.050	<0.050	<0.150	<0.300	8,530
	"	4'	<10.0	13.0	<10.0	13.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,000
	"	5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,330
	"	6'	<10.0	<10.0	<10.0	<10.0	<0.050	0.133	<0.050	<0.150	<0.300	3,840
BH-9	3/21/2025	0-6"	2,420	7,000	823	10,243	2.51	51.6	31.8	80.6	167	4,800
	"	1'	171	898	113	1,182	<0.050	1.51	1.66	4.26	7.43	3,360
	"	2'	<10.0	84.5	<10.0	84.5	<0.050	<0.050	<0.050	<0.150	<0.300	5,440
	"	3'	31.0	613	89.6	734	<0.050	0.079	0.147	0.883	1.11	7,920
	"	4'	<10.0	29.3	<10.0	29.3	<0.050	<0.050	<0.050	<0.150	<0.300	7,680
	"	5'	<10.0	50.5	<10.0	50.5	<0.050	0.128	<0.050	0.187	0.315	12,300
	"	6'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,500
BH-10	3/21/2025	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2'	3,420	8,000	915	12,335	6.86	49.2	21.9	81.0	159	4,240
	"	3'	4,160	10,400	1,230	15,790	9.10	60.4	26.9	101	197	4,960
	"	4'	3,750	10,300	1,230	15,280	9.36	64.4	28.9	107	210	4,640
	"	5'	1,580	8,750	936	11,266	1.37	14.3	10.3	43.6	69.5	8,800
	"	6'	969	4,060	475	5,504	2.35	15.7	8.64	34.0	60.6	6,480
	"	7'	313	1,130	144	1,587	0.703	4.13	2.33	9.54	16.7	12,800
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(BH) Borehole Sample

 Removed

Table 1
Delek Logistics
Big Buck (03.11.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-2	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-3	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-4	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-5	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-6	3/18/2024	0-6"	<10.0	10.4	<10.0	10.4	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-7	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-8	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-9	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-10	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-11	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-12	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-13	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-14	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-15	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	1.70	<0.050	<0.150	1.70	<16.0
H-16	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	0.145	<0.050	<0.150	<0.300	32.0
H-17	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-18	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
H-19	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-20	3/18/2024	0-6"	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
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 Sample

Table 2
Delek Logistics
Big Buck (03.11.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	9/22/2025	4.5'	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	351
CS-2	9/22/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,610
CS-3	9/22/2025	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,210
CS-4	9/22/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,580
CS-5	9/22/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	5,430
CS-6	9/22/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	973
CS-7	9/22/2025	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7,690
CS-8	9/22/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,650
CS-9	9/22/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,370
CS-10	9/22/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2,720
CS-11	9/22/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,600
CS-12	9/22/2025	4.5'	<50.0	94.0	<50.0	94.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,400
CS-13	9/22/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	840
CS-14	9/22/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	684
CS-15	9/22/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	810
CS-16	9/26/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,880
CS-17	9/26/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,080
CS-18	9/25/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,480
CS-19	9/25/2025	8.5'	<10.0	496	150	646	<0.050	<0.050	<0.050	<0.150	<0.300	2,110
CS-20	9/25/2025	8.5'	<10.0	496	150	646	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-21	10/1/2025	4.5'	<10.0	48.8	<10.0	48.8	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-22	10/1/2025	4.5'	<10.0	29.7	48.8	29.7	<0.050	<0.050	<0.050	<0.150	<0.300	3,440
CS-23	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
CS-24	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
CS-25	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,680
CS-26	10/1/2025	4.5'	<10.0	52.6	<10.0	52.6	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-27	10/1/2025	4.5'	<10.0	10.1	<10.0	10.1	<0.050	<0.050	<0.050	<0.150	<0.300	352.0
CS-28	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-29	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 2
Delek Logistics
Big Buck (03.11.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	9/26/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
SW-2	9/25/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	9/24/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-4	9/24/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	110
SW-5	9/24/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	104
SW-6	9/24/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	130
SW-7	9/19/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	113
SW-8	9/19/2025	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	120
SW-9	9/19/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	97.9
SW-10	9/19/2025	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	119
SW-11	9/24/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	84.0
SW-12	9/24/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	184
SW-13	9/23/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
SW-14	9/25/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-15	9/25/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-16	9/25/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-17	9/26/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-18	9/26/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-19	9/26/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-20	9/25/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-21	9/26/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-22	9/25/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-23	9/25/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-24	9/25/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-25	9/25/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-26	9/25/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-27	9/26/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-28	9/26/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-29	9/26/2025	8.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
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

(SW) Sidewall Sample

Table 2
Delek Logistics
Big Buck (03.11.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-30	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-31	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-32	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-33	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-34	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-35	10/1/2025	4.5'	<10.0	15.4	<10.0	15.4	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-36	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-37	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-38	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-39	10/1/2025	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Backfill	9/25/2025	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
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

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Delek Logistics Company

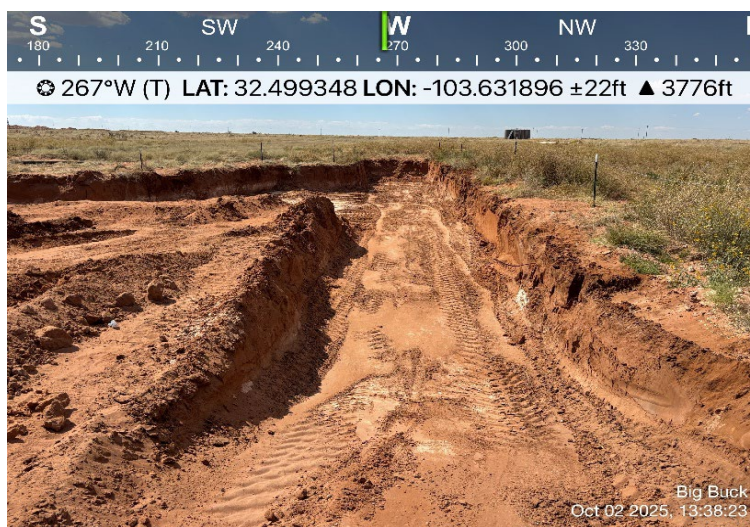
Photograph No. 1

Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:

View West, area of CS-23 through CS-26 and CS-28.



Photograph No. 2

Facility: Big Buck (03.11.25)

County: Lea County, New Mexico

Description:

View South, area of CS-21 and CS-22, and CS-27 through CS-29.



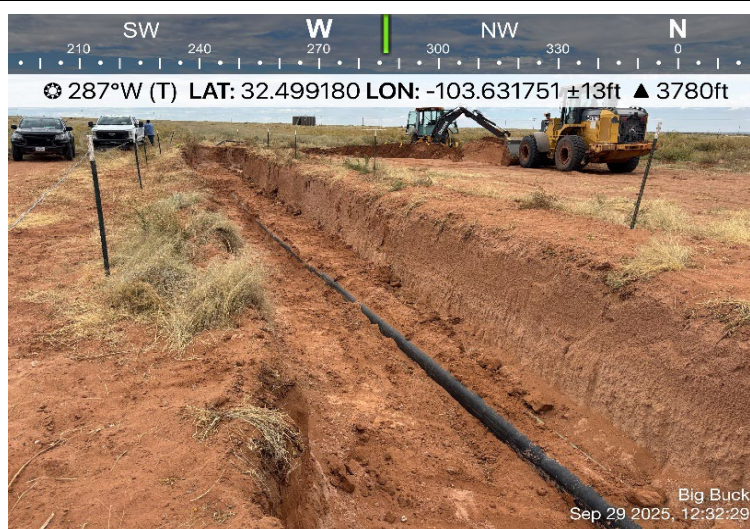
Photograph No. 3

Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:

View West, area of CS-1 through CS-3.



PHOTOGRAPHIC LOG

Delek Logistics Company

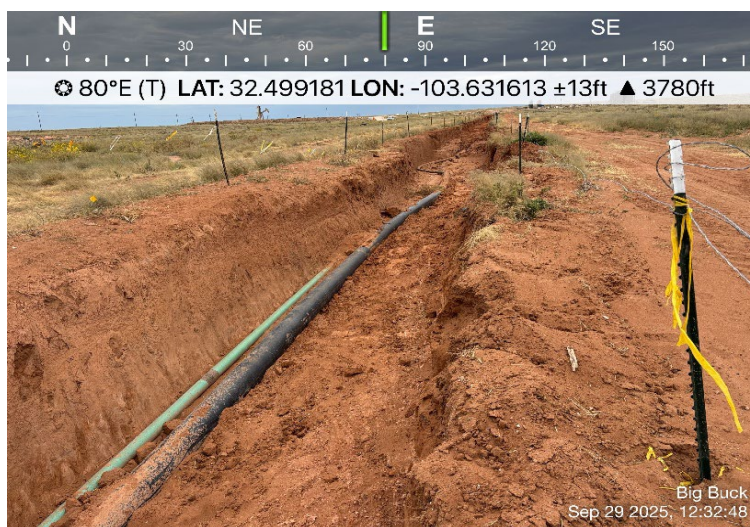
Photograph No. 4

Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:

View East, area of CS-4 through CS-15.



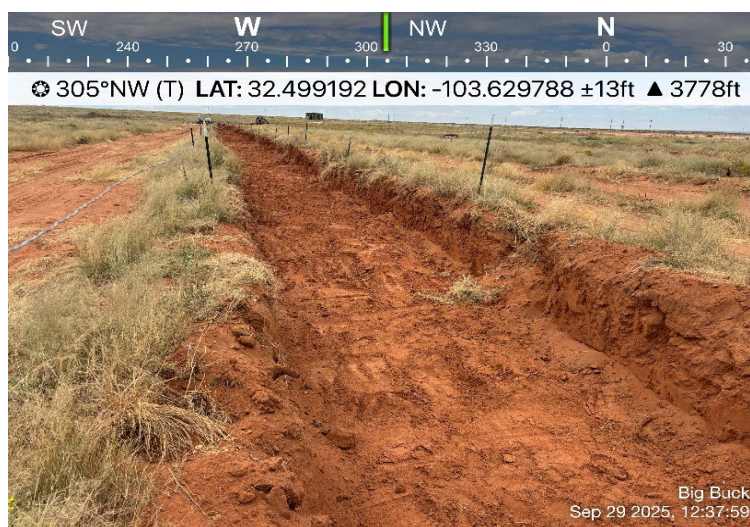
Photograph No. 5

Facility: Big Buck (03.11.25)

County: Lea County, New Mexico

Description:

View Northwest, area of CS-1 through CS-15.



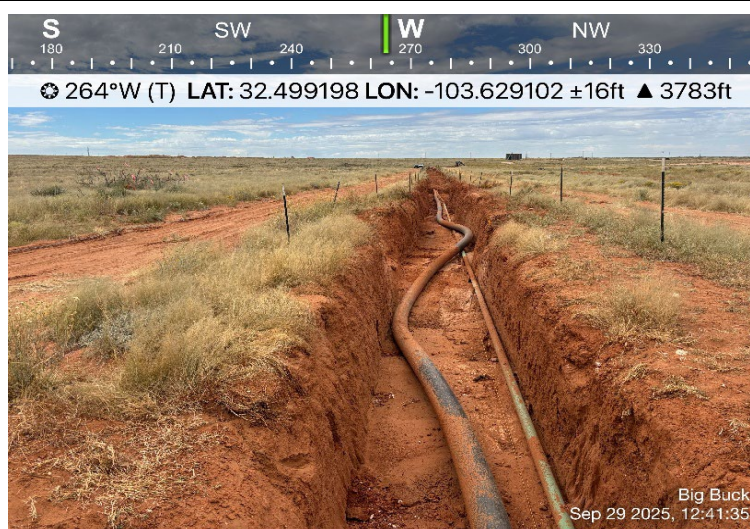
Photograph No. 6

Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:

View West, area of CS-16 through CS-20.



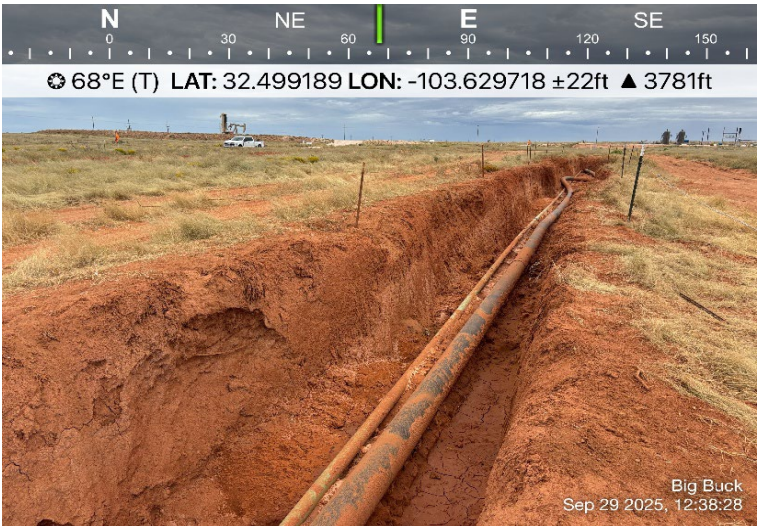
PHOTOGRAPHIC LOG
Delek Logistics Company

Photograph No. 7

Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:
View East, area of CS-16 through CS-20.

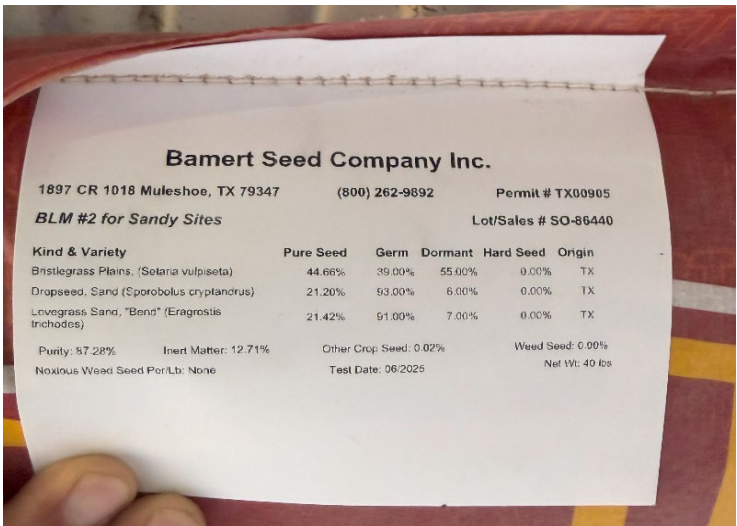


Photograph No. 8

Facility: Big Buck (03.11.25)

County: Lea County, New Mexico

Description:
View of seed tag.



Photograph No. 9

Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:
View North of reseeding via seed drill.



PHOTOGRAPHIC LOG**Delek Logistics Company****Photograph No. 10****Facility:** Big Buck (03.11.2025)**County:** Lea County, New Mexico**Description:**

View Southeast of reseeding via seed drill.

North West Elevation

☉ 119°SE (T) LAT: 32.499575 LON: -103.631543 ±32ft ▲ 3784ft



10 Oct 2025, 17:43:46

Photograph No. 11**Facility:** Big Buck (03.11.25)**County:** Lea County, New Mexico**Description:**

View Southeast of reseeding via seed drill.

North West Elevation

☉ 118°SE (T) LAT: 32.499575 LON: -103.631543 ±32ft ▲ 3784ft



10 Oct 2025, 17:43:55

Photograph No. 12**Facility:** Big Buck (03.11.2025)**County:** Lea County, New Mexico**Description:**

View West of backfilled area.



☉ 275°W (T) LAT: 32.499239 LON: -103.631784 ±16ft ▲ 3781ft

Big Buck Backfill
Oct 13 2025, 09:18:26

PHOTOGRAPHIC LOG

Delek Logistics Company

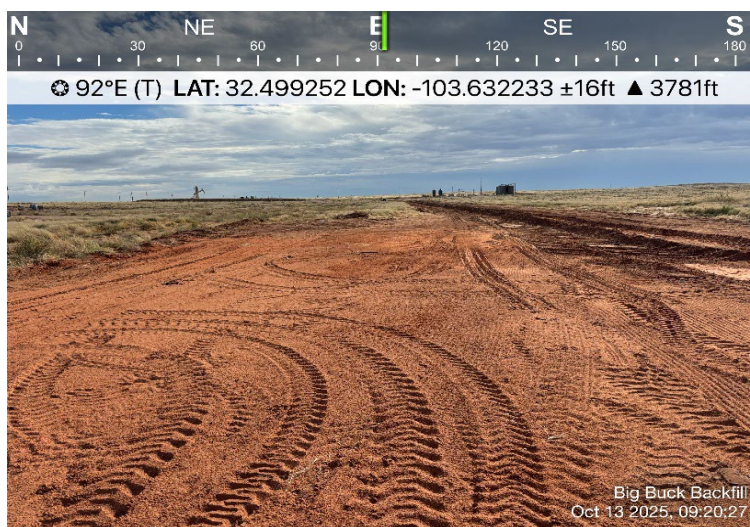
Photograph No. 13

Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:

View East of backfilled area.



Photograph No. 14

Facility: Big Buck (03.11.25)

County: Lea County, New Mexico

Description:

View East of backfilled area.



Photograph No. 15

Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:

View West 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 441482

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 441482
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Big Buck (03.11.2025)
Date Release Discovered	03/11/2025
Surface Owner	Federal

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

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 441482

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 441482
	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	Not answered.

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

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

ACKNOWLEDGMENTS

Action 441482

ACKNOWLEDGMENTS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 441482
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 441482

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 441482
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS


Created By	Condition	Condition Date
cassiewhitefield	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	3/11/2025


					Gathering	3/7/2025	3/8/2025	3/9/2025	3/10/2025
Asset	System	Counterparty	Data Source	Meter Number	Daily Customer Volumes				
DDG	Lea	Matador	SCADA	LE100008	Big Buck 1	-	-	-	4
DDG	Lea	Matador	SCADA	LE100009	Big Buck 2	215	-	-	789
DDG	Lea	Matador	SCADA	LE100010	Big Buck 3	478	174	-	3,724
DDG	Lea	Matador	SCADA	LE100011	Big Buck 4	3,695	4,222	4,086	-
					Imbalance				
					System Imbalance				321
Calculated					% Imbalance	0.00%	0.00%	0.00%	0.25%
Calculated									
					Daily Total of Big Buck 1-4	4,388	4,396	4,086	4,517
					Total of Big Buck 1-4	17,387			
					4 Day Average	4,346.75			
					4 Day Average - System Imbalance	4,025.75			


Site map

DKL Energy - Cottonwood, LLC
Big Buck (03.11.2025)
32.499358,-103.632389

Legend [Page 36 of 359](#)

Buried Pipeline

Point of Release

Release Area



POR



PHOTOGRAPHIC LOG

Delek Logistics Company

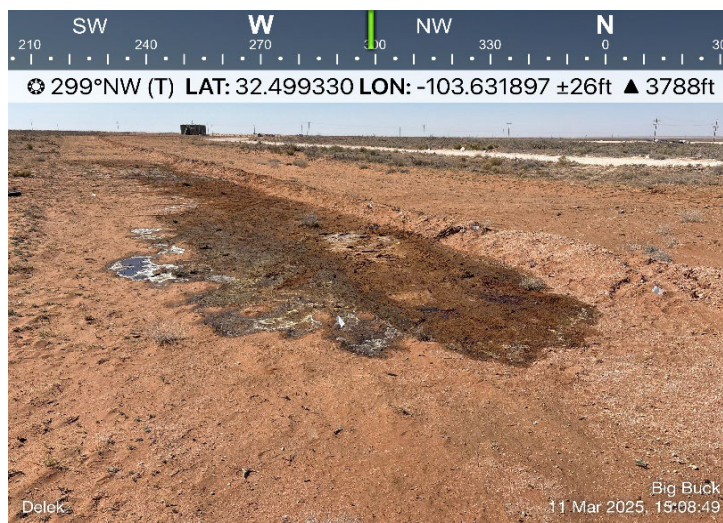
Photograph No. 1

Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:

View Northwest, Area of concern.



Photograph No. 2

Facility: Big Buck (03.11.25)

County: Lea County, New Mexico

Description:

View East, area of concern.



Photograph No. 3

Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:

View Northeast, area of concern.



PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 4

Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:

View East, Area of concern.



Photograph No. 5

Facility: Big Buck (03.11.25)

County: Lea County, New Mexico

Description:

View Northeast, Area of concern.



Photograph No. 6

Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:

View East, area of concern.



PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 7

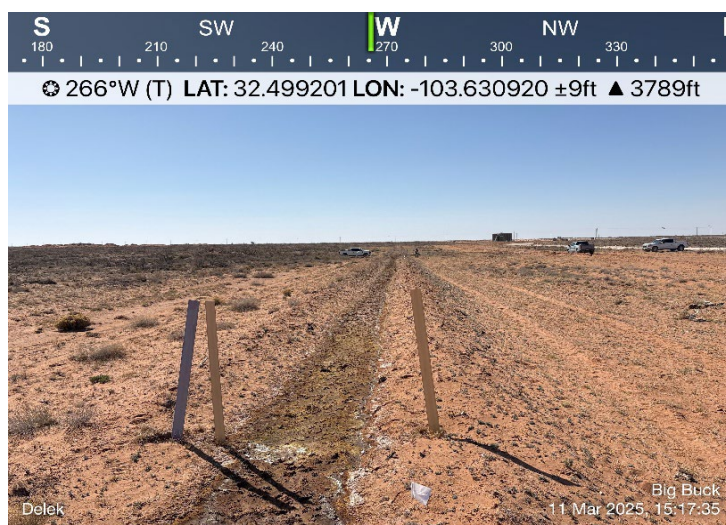
Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:

View West, Area of concern

f



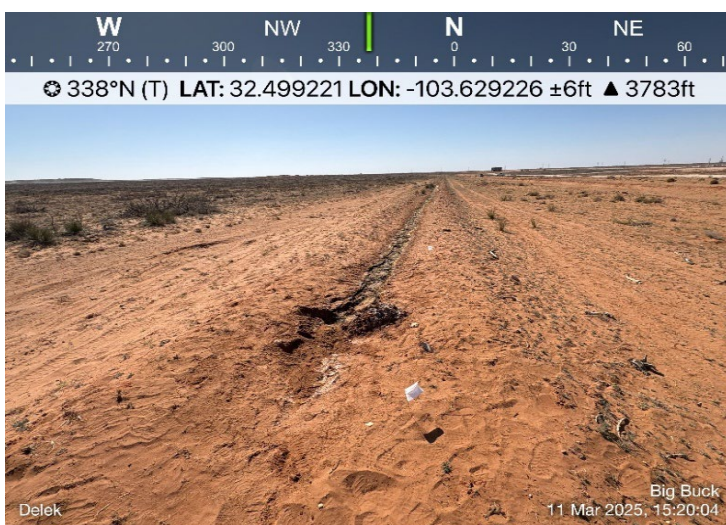
Photograph No. 8

Facility: Big Buck (03.11.25)

County: Lea County, New Mexico

Description:

View North, Area of concern.



Photograph No. 9

Facility: Big Buck (03.11.2025)

County: Lea County, New Mexico

Description:

View East, Excavated area to expose line where point of release was.

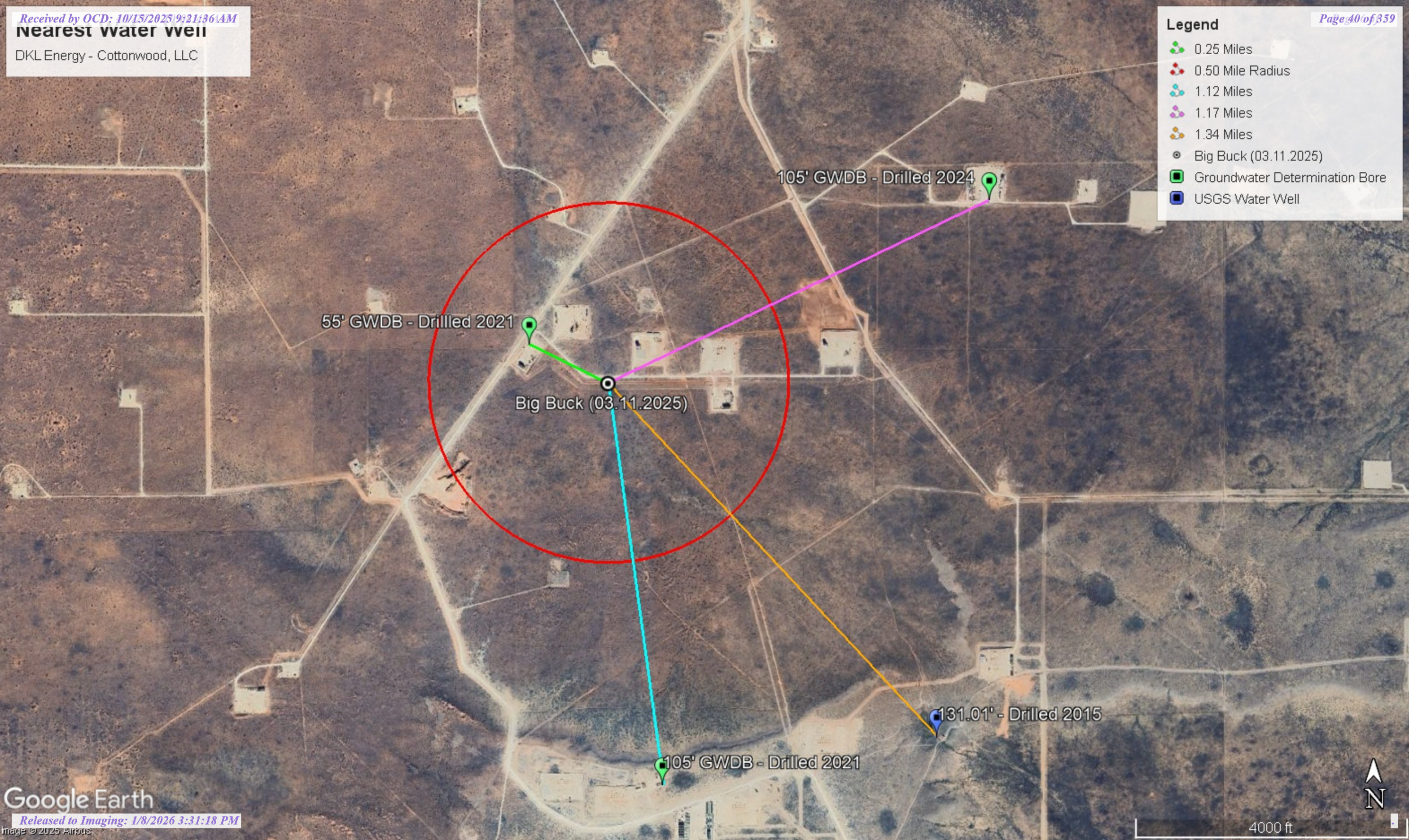


Nearest water well

DKL Energy - Cottonwood, LLC

Legend

- 0.25 Miles
- 0.50 Mile Radius
- 1.12 Miles
- 1.17 Miles
- 1.34 Miles
- Big Buck (03.11.2025)
- Groundwater Determination Bore
- USGS Water Well



LOW Karst

DKL Energy - Cottonwood, LLC

Legend

- Big Buck (03.11.2025)
- Low

Big Buck (03.11.2025)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
CP 01884 POD1		CP	LE	SW	SW	SW	01	21S	32E	628120.8	3596776.5		393	55		
CP 00793 POD1		CP	LE	NW	NW	NE	01	21S	32E	628932.0	3598270.0 *		1719	1000		
CP 01877 POD1		CP	LE	SE	NE	NW	13	21S	32E	628739.3	3594827.3		1802			
CP 02032 POD1		CP	LE	NW	NE	SW	06	21S	33E	630164.2	3597443.5		1880	105		
CP 00794 POD1		CP	LE	SE	NW	NW	18	21S	33E	629976.0	3594865.0 *		2300	160		
CP 00795 POD1		CP	LE	SE	NW	NW	18	21S	33E	629976.0	3594865.0 *		2300	170		

Average Depth to Water: 0 feet

Minimum Depth: 0 feet

Maximum Depth: 0 feet

Record Count: 6

UTM Filters (in meters):

Easting: 628478.00
Northing: 3596611.00
Radius: 4000

* UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1884			
	WELL OWNER NAME(S) Ascent Energy				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS P.O Box 270983				CITY Littleton	STATE CO	ZIP 80127	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 30	SECONDS 3.18 N	• ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	38	10.22 W	• DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW SW SW Sec. 01 T21S R32E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 09/08/2021		DRILLING ENDED 09/08/2021		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. CP-1884	POD NO. 1	TRN NO. 699871
LOCATION 21S-32E-01 333	WELL TAG ID NO. N/A	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	FROM	TO					
4. HYDROGEOLOGIC LOG OF WELL	0	9	9	Sand, Medium/fine, with some caliche, Red	Y ✓ N		
	9	14	5	Sand, Medium/fine, with some caliche, Brown	Y ✓ N		
	14	24	10	Caliche with Medium/fine sand, Off white	Y ✓ N		
	24	34	10	Sand, Medium/fine, with some caliche, Brown	Y ✓ N		
	34	55	21	Caliche with Medium/fine sand, Off white	Y ✓ N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):	0.00
	5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface.							
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt and Carmelo Trevino							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:						
				Jackie D. Atkins	09/27/2021		
SIGNATURE OF DRILLER / PRINT SIGNEE NAME				DATE			

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/2017)	
FILE NO. CP-1884	POD NO. 1	TRN NO. 690871	
LOCATION 215-37 E-01 333	WELL TAG ID NO. N/A	PAGE 2 OF 2	



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-1877 CP-1877			
	WELL OWNER NAME(S) Advanced Energy Partners				PHONE (OPTIONAL) 832.672.4700			
	WELL OWNER MAILING ADDRESS 11490 Westheimer Rd. Stuit 950				CITY Houston	STATE TX	ZIP 77077	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 28	SECONDS 59.64 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NE NW Sec. 13 T21S R32E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 09/21/2021	DRILLING ENDED 09/21/2021	DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) n/a			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a			
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 105		±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		


FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	CP-1877	POD NO.	1	TRN NO.	099501
LOCATION	Mon	215.32E.13.124	WELL TAG ID NO.		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	19	19	Caliche, consolidated with sand, White	Y ✓ N	
	19	29	10	Sand, Fine-grained, poorly graded, Tan	Y ✓ N	
	29	105	76	Sand, Fine-grained, poorly graded, Reddish Brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Jackie D. Atkins	10-22-2021 DATE

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. CP-1877	POD NO. 1	TRN NO. 699501
LOCATION Mon 215.32E.13.124	WELL TAG ID NO.	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO (WELL NO) POD 1		WELL TAG ID NO N/A		OSE FILE NO(S) CP 02022 POD1			
	WELL OWNER NAME(S) Matador Production Company				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS R347 N26th Rural Street 2nd Floor				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 30	SECONDS 23.98 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Unit K, Section 06, T 21S, R 33E, Lea, County								
2. DRILLING & CASING INFORMATION	LICENSE NO WD1188		NAME OF LICENSED DRILLER John Scarborough			NAME OF WELL DRILLING COMPANY John Scarborough Drilling Inc.		
	DRILLING STARTED 11/12/2024	DRILLING ENDED 11/12/2024	DEPTH OF COMPLETED WELL (FT) 105	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	105	5.00	Soil Boring				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	10	10	Sand with Gravel, Red, Fine grained with small to large gravel	Y ✓ N	
	10	20	10	Sand with Gravel, Red, Fine grained with small to large gravel	Y ✓ N	
	20	30	10	Silty Sand, Red, Fine grained	Y ✓ N	
	30	40	10	Silty Sand, Red, Fine grained	Y ✓ N	
	40	50	10	Silty Sand, Red, Fine grained	Y ✓ N	
	50	60	10	Silty Gravel with Sand, Red, Very fine to Medium Grained with Large Gravel	Y ✓ N	
	60	70	10	Silty Gravel with Sand, Red, Very fine to Medium Grained with Large Gravel	Y ✓ N	
	70	80	10	Silty Gravel with Sand, Red, Very fine to Medium Grained with Large Gravel	Y ✓ N	
	80	90	10	Silty Gravel with Sand, Red, Very fine to Medium Grained with Large Gravel	Y ✓ N	
	90	100	10	Fat Clay with Gravel, Red, Very fine with small to large gravel	Y ✓ N	
	100	105	5	Fat Clay with Gravel, Red, Very fine with small to large gravel	Y ✓ N	
	105	105	0	Fat Clay with Gravel, Red, Very fine with small to large gravel	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST, RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to 10 ft below ground surface (bgs), then hydrated bentonite chips 10 ft bgs to ground surface.	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:		

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
Scott Scarborough	Digitally signed by Scott Scarborough Date: 2024.11.18 13:47:52 +0700	DATE
SIGNATURE OF DRILLER / PRINT SIGNED NAME		


FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

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 =

- 322851103365201

Minimum number of levels = 1

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

USGS 322851103365201 21S.33E.18.12314

Lea County, New Mexico

Latitude 32°29'06.6", Longitude 103°37'00.6" NAD83

Land-surface elevation 3,883 feet above NAVD88

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

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

Output formats

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
1965-11-16			D 62610		3764.22	NGVD29	1		Z	
1965-11-16			D 62611		3765.86	NAVD88	1		Z	
1965-11-16			D 72019	117.14			1		Z	
1968-03-21			D 62610		3764.19	NGVD29	1		Z	
1968-03-21			D 62611		3765.83	NAVD88	1		Z	
1968-03-21			D 72019	117.17			1		Z	
1971-02-04			D 62610		3763.86	NGVD29	1		Z	
1971-02-04			D 62611		3765.50	NAVD88	1		Z	
1971-02-04			D 72019	117.50			1		Z	
1972-09-12			D 62610		3764.56	NGVD29	1		Z	
1972-09-12			D 62611		3766.20	NAVD88	1		Z	
1972-09-12			D 72019	116.80			1		Z	
1976-12-16			D 62610		3766.56	NGVD29	1		Z	
1976-12-16			D 62611		3768.20	NAVD88	1		Z	
1976-12-16			D 72019	114.80			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	
1981-03-10	D	62610	3765.71	NGVD29	1	Z	
1981-03-10	D	62611	3767.35	NAVD88	1	Z	
1981-03-10	D	72019	115.65		1	Z	
1986-03-20	D	62610	3766.51	NGVD29	1	Z	
1986-03-20	D	62611	3768.15	NAVD88	1	Z	
1986-03-20	D	72019	114.85		1	Z	
1991-04-18	D	62610	3766.53	NGVD29	1	Z	
1991-04-18	D	62611	3768.17	NAVD88	1	Z	
1991-04-18	D	72019	114.83		1	Z	
1996-02-20	D	62610	3765.61	NGVD29	1	S	
1996-02-20	D	62611	3767.25	NAVD88	1	S	
1996-02-20	D	72019	115.75		1	S	
2015-12-17 22:00 UTC	m	62610	3750.35	NGVD29	P	S	USGS
2015-12-17 22:00 UTC	m	62611	3751.99	NAVD88	P	S	USGS
2015-12-17 22:00 UTC	m	72019	131.01		P	S	USGS

Explanation

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

[Questions or Comments](#)
[Automated retrievals](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)
[News](#)

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



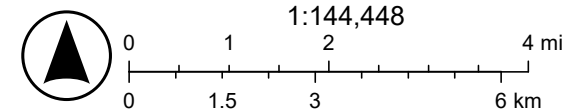
Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2024-02-09 10:17:59 EST
0.28 0.24 nadww02

Big Buck (03.11.2025)



3/11/2025

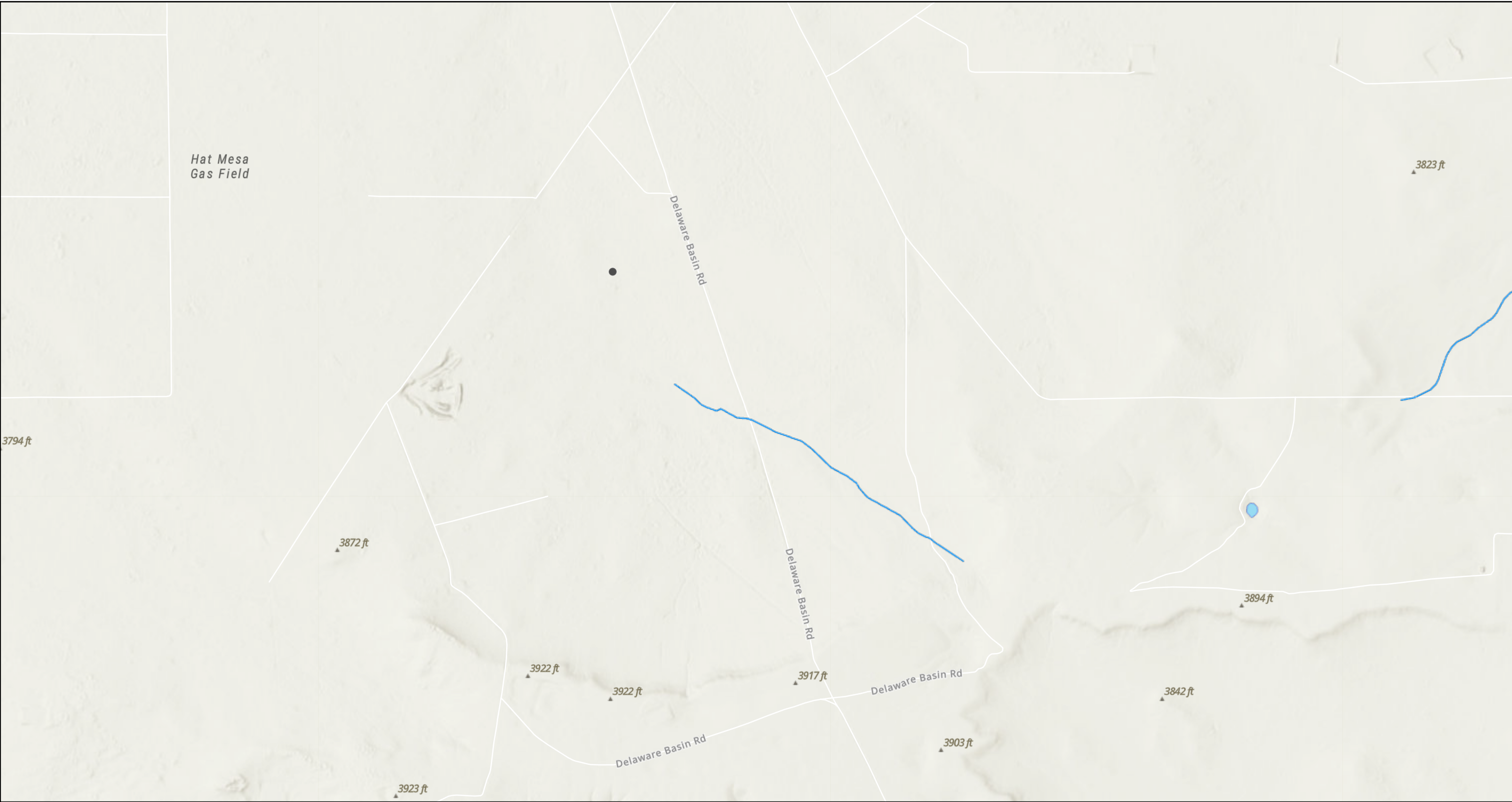
World_Hillshade



1:144,448

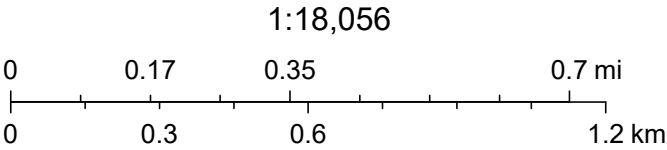
Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

Big Buck (03.11.2025)



3/11/2025, 8:15:41 PM

- OSW Water Bodys
- OSE Streams



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

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 450262

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 450262
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507068248
Incident Name	NAPP2507068248 BIG BUCK (03.11.2025) @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	Big Buck (03.11.2025)
Date Release Discovered	03/11/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Pipeline (Any) Produced Water Released: 4,026 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 4,026 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)	Crack on a buried pipeline caused by possible corrosion releasing 4,025.75 bbl PW with 0 bbl recovered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 450262

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 450262
	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	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 04/09/2025
--	--

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 450262

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 450262
	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)	Between 51 and 75 (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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (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	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>	

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 450262

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 450262
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Initial C-141 is approved. Please note that the initial C-141 was due on 3/26/2025.	4/9/2025

Ashton Thielke

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Thursday, March 13, 2025 11:58 AM
To: Ashton Thielke
Subject: RE: [EXTERNAL] FW: Agency Reportable - Delek Logistics - "Big Buck (03.11.2025)" - NAPP2507068248

Good Morning Ashton,
The delineation sampling plan as written with the information provided looks good. Please complete and submit an initial C-141 and move forward with delineation sampling and the remediation process.

Thank you,
Scott

Scott Rodgers • Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Wednesday, March 12, 2025 9:13 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>; Morgan, Crisha A <camorgan@blm.gov>
Cc: Cassie Whitefield <Cassie.Whitefield@deleklogistics.com>
Subject: [EXTERNAL] FW: Agency Reportable - Delek Logistics - "Big Buck (03.11.2025)" - NAPP2507068248

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning Scott and Crisha,

Per request of Delek upper management, we would like to get approval (or commentary) on our proposed sampling plan for the recent spill incident.

The site has been mapped out and I am proposing to collect ten (10) borehole samples approximately every 100-150' laterally inside the release area.

I am also proposing to collect approximately twenty (20) horizontal samples to horizontally delineate the release area.

The release mostly followed the pipeline right-of-way.

That being said, we will hydrovac multiple areas along the ROW to spot buried pipelines so that we can safely sample the areas without causing additional damage to the pipeline and cause secondary releases.

Site Characterization:

On page 4-16 you will see groundwater and site characterization of the site completed.

It shows that groundwater is >55' (within 0.25miles of the site) through the process of drilling a groundwater determination bore, which resulted in a dry hole.

You will also see that surrounding the site, groundwater is very deep, through additional bores drilled and USGS well logs.

This area is also in a LOW KARST environment.

We are greater than 1,700ft from a NMOSE stream (which is a seasonal drainage and does not continuously flow water)

The nearest permanent residence is greater than 1 mile away (possibly >5 miles away)

All of that being said, we will be utilizing standards set in Table 1 NMAC 19.15.29.12/13 (groundwater 51-100ft) for delineation and remediation of the area.

Since this is off pad and in the pasture, we will delineate the top 4' per strictest standards set in Table 1 NMAC 19.15.29.12, but once we are deeper than 4.0', we will utilize standards mentioned above for groundwater 51-100'

Sample Collection:

Borehole samples will be collected in the following intervals:

(0-1') (1.5') (2.0') (3.0') (4.0') (5.0')...etc until vertical delineation is achieved (10,000mg/kg – Chlorides & 2,500mg/kg total TPH per Table 1 NMAC 19.15.29.12 GW>51ft)

Horizontal samples will be collected in the following intervals:

(0-1') – (600mg/kg – Chlorides & 100mg/kg – Total TPH)

Following yalls approval (and a NM one-call to clear) we are tentatively scheduled to begin site assessment activities on 03.17.2025.

I will include a copy of this email chain in the next submittal.

Please let me know if you have any questions!

Thanks!

Ashton Thielke
Environmental Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
[Environmental Consulting Firm - Carmona Resources](#)

CARMONA RESOURCES



From: Ashton Thielke

Sent: Tuesday, March 11, 2025 8:04 PM

To: 'NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov)' <OCD.Enviro@emnrd.nm.gov>; 'CFO_Spill, BLM_NM' <BLM_NM_CFO_Spill@blm.gov>

Cc: 'Cassie Whitefield' <Cassie.Whitefield@deleklogistics.com>

Subject: RE: Agency Reportable - Delek Logistics - "Big Buck (03.11.2025)"

All,

The NMOCD Incident ID associated with this is: NAPP2507068248
Corrected Site Coordinates are (32.499358,-103.632389)

Thanks!

Ashton Thielke
Environmental Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
[Environmental Consulting Firm - Carmona Resources](#)

CARMONA RESOURCES



From: Ashton Thielke
Sent: Tuesday, March 11, 2025 4:14 PM
To: NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov) <OCD.Enviro@emnrd.nm.gov>; CFO_Spill, BLM_NM
<BLM_NM_CFO_Spill@blm.gov>
Cc: Cassie Whitefield <Cassie.Whitefield@deleklogistics.com>
Subject: Agency Reportable - Delek Logistics - "Big Buck (03.11.2025)"

All,

On behalf of Delek Logistics, a reportable release has occurred along a Delek pipeline right-of-way. The cause of the release is still under investigation as well as the volume released. Preliminary readings are showing 1,200 bbl of Produced Water released with an undetermined amount recovered at this time. The release has currently been stopped and free-standing fluids is currently being removed from the site.

Site Name: Big Buck (03.11.2025)
Site Coordinates: 32.504495, -103.630196
Lea County, New Mexico
Surface Owner: BLM
USTR: Z-01-21S-32E

A NOR is currently being submitted and after a full spill investigation a C-141 will be submitted as well.

Please let me know if you have any questions!

Thanks!

Ashton Thielke
Environmental Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
[Environmental Consulting Firm - Carmona Resources](#)

CARMONA RESOURCES



Ashton Thielke

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Tuesday, May 20, 2025 11:14 AM
To: Ashton Thielke
Cc: Cassie Whitefield; Mike Carmona
Subject: RE: [EXTERNAL] FW: Agency Reportable - Delek Logistics - "Big Buck (03.11.2025)" - NAPP2507068248

Good Morning Ashton,

The alternative confirmation sampling plan taking confirmation samples of no more than 400 square feet is approved. The acceptance of this alternative sampling plan 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; or if the location fails to revegetate properly. In addition, OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. If the applicable land managing agency does not agree and requires a more stringent sampling plan, the more stringent requirements must be met regardless of OCD's approval.

Thank you,
Scott

Scott Rodgers • Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Friday, May 16, 2025 3:48 PM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Cassie Whitefield <Cassie.Whitefield@deleklogistics.com>; Mike Carmona <Mcarmona@carmonaresources.com>
Subject: RE: [EXTERNAL] FW: Agency Reportable - Delek Logistics - "Big Buck (03.11.2025)" - NAPP2507068248

Good afternoon Scott,

Thank you for the timely response for the extension request!

Please see page 2 of the attachment labeled as "Proposed Excavation Map".

The areas of BH-1 through BH-8 will be (hydro)excavated to a depth of 4.5', representing a surface area of approximately 5,000 square feet.

The areas of BH-9 & BH-10 will be (hydro)excavated to a depth of 8.5' (or until composite confirmation samples are within acceptable limits of Table 1 NMAC 19.15.29.12 groundwater >51'), representing a surface area of approximately 1,750 square feet.

The total estimated surface area is estimated to be 6,750 square feet.

This estimated surface area has also been submitted in the form of a C-141N on the NMOCD webportal.

I hope that information helps in the reviewal of the variance request.

Please let me know if you have any additional questions.

Thanks!

Ashton Thielke
Environmental Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
[Environmental Consulting Firm - Carmona Resources](#)



From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Friday, May 16, 2025 3:59 PM
To: Ashton Thielke <ThielkeA@carmonaresources.com>
Cc: Cassie Whitefield <Cassie.Whitefield@deleklogistics.com>; Mike Carmona <Mcarmona@carmonaresources.com>
Subject: RE: [EXTERNAL] FW: Agency Reportable - Delek Logistics - "Big Buck (03.11.2025)" - NAPP2507068248

Good afternoon Ashton,
Your time extension request is approved. Remediation Due date has been updated to August 09, 2025 within the incident page. The OCD does accept the depth to groundwater determination of >55'. The variance request for taking confirmation samples of no more than 400 square feet can not be determined until an estimated surface area (in square feet) that will be remediated is determined.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience.

Thank you,
Scott

Scott Rodgers • Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Friday, May 16, 2025 10:21 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Cassie Whitefield <Cassie.Whitefield@deleklogistics.com>; Mike Carmona <Mcarmona@carmonaresources.com>
Subject: RE: [EXTERNAL] FW: Agency Reportable - Delek Logistics - "Big Buck (03.11.2025)" - NAPP2507068248

Good morning Scott,

We are beginning the remediation of this area on 05.19.2025 and a sampling notification has been placed on the NMOCD portal to begin mid week next week once the excavation area has been opened up enough to begin confirmation sampling.

That being said, Camona Resources, on behalf of Delek Logistics, is requesting a 90 day extension for submittal of closure.

This is due to the spill area being located overtop of multiple buried pipelines. Instead of mechanically excavating with a tractor all of the contaminated material, we will be utilizing multiple hydrovac trucks to safely remove all the contaminated material. We are requesting the new closure date to be **08/09/2025**.

Additionally, Delek is requesting a confirmation sampling variance from 200 square feet to 400 square feet composite samples.

Attached is a proposed excavation map and at a minimum, ~1,600 cubic yards of material will be removed.

As seen on Table 1 (page 4), the areas of BH-9 & BH-10 have not been delineated and show exceedances for TPH and chloride.

These areas will all be excavated and delineated during remediation/confirmation sampling.

Due to this release being fully located in the "pasture" and off pad, the top 4' will be remediated per strictest standards found on Table 1 of NMAC 19.15.29.12.

Contamination found past 4.0' will be remediated per Table 1 NMAC 19.15.29.12 groundwater >55'.

Pending your response to the request below, any impacted soil >4' will be remediated using groundwater >55' on Table 1 of NMAC 19.15.29.

Carmona Resources and Delek Logistics believe that due to the groundwater, karst, and lack of supply wells for distant households, that this confirmation sampling variance would provide equal or better protection of fresh water, public health and the environment.

Please let me know if you have any questions.

Thanks!

Ashton Thielke
Environmental Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
[Environmental Consulting Firm - Carmona Resources](#)

CARMONA RESOURCES



From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Thursday, March 13, 2025 11:58 AM
To: Ashton Thielke <ThielkeA@carmonaresources.com>
Subject: RE: [EXTERNAL] FW: Agency Reportable - Delek Logistics - "Big Buck (03.11.2025)" - NAPP2507068248

Good Morning Ashton,
The delineation sampling plan as written with the information provided looks good. Please complete and submit an initial C-141 and move forward with delineation sampling and the remediation process.

Thank you,
Scott

Scott Rodgers • Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Wednesday, March 12, 2025 9:13 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>; Morgan, Crisha A <camorgan@blm.gov>
Cc: Cassie Whitefield <Cassie.Whitefield@deleklogistics.com>
Subject: [EXTERNAL] FW: Agency Reportable - Delek Logistics - "Big Buck (03.11.2025)" - NAPP2507068248

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning Scott and Crisha,

Per request of Delek upper management, we would like to get approval (or commentary) on our proposed sampling plan for the recent spill incident.
The site has been mapped out and I am proposing to collect ten (10) borehole samples approximately every 100-150' laterally inside the release area.
I am also proposing to collect approximately twenty (20) horizontal samples to horizontally delineate the release area.
The release mostly followed the pipeline right-of-way.
That being said, we will hydrovac multiple areas along the ROW to spot buried pipelines so that we can safely sample the areas without causing additional damage to the pipeline and cause secondary releases.

Site Characterization:

On page 4-16 you will see groundwater and site characterization of the site completed.

It shows that groundwater is >55' (within 0.25 miles of the site) through the process of drilling a groundwater determination bore, which resulted in a dry hole.

You will also see that surrounding the site, groundwater is very deep, through additional bores drilled and USGS well logs.

This area is also in a LOW KARST environment.

We are greater than 1,700ft from a NMOSE stream (which is a seasonal drainage and does not continuously flow water)

The nearest permanent residence is greater than 1 mile away (possibly >5 miles away)

All of that being said, we will be utilizing standards set in Table 1 NMAC 19.15.29.12/13 (groundwater 51-100ft) for delineation and remediation of the area.

Since this is off pad and in the pasture, we will delineate the top 4' per strictest standards set in Table 1 NMAC 19.15.29.12, but once we are deeper than 4.0', we will utilize standards mentioned above for groundwater 51-100'

Sample Collection:

Borehole samples will be collected in the following intervals:

(0-1') (1.5') (2.0') (3.0') (4.0') (5.0')...etc until vertical delineation is achieved (10,000mg/kg – Chlorides & 2,500mg/kg total TPH per Table 1 NMAC 19.15.29.12 GW>51ft)

Horizontal samples will be collected in the following intervals:

(0-1') – (600mg/kg – Chlorides & 100mg/kg – Total TPH)

Following yalls approval (and a NM one-call to clear) we are tentatively scheduled to begin site assessment activities on 03.17.2025.

I will include a copy of this email chain in the next submittal.

Please let me know if you have any questions!

Thanks!

Ashton Thielke
Environmental Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
[Environmental Consulting Firm - Carmona Resources](#)



From: Ashton Thielke

Sent: Tuesday, March 11, 2025 8:04 PM

To: 'NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov)' <OCD.Enviro@emnrd.nm.gov>; 'CFO_Spill, BLM_NM' <BLM_NM_CFO_Spill@blm.gov>

Cc: 'Cassie Whitefield' <Cassie.Whitefield@deleklogistics.com>

Subject: RE: Agency Reportable - Delek Logistics - "Big Buck (03.11.2025)"

All,

The NMOCD Incident ID associated with this is: NAPP2507068248
Corrected Site Coordinates are (32.499358,-103.632389)

Thanks!

Ashton Thielke
Environmental Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
[Environmental Consulting Firm - Carmona Resources](#)



From: Ashton Thielke
Sent: Tuesday, March 11, 2025 4:14 PM
To: NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov) <OCD.Enviro@emnrd.nm.gov>; CFO_Spill, BLM_NM
<BLM_NM_CFO_Spill@blm.gov>
Cc: Cassie Whitefield <Cassie.Whitefield@deleklogistics.com>
Subject: Agency Reportable - Delek Logistics - "Big Buck (03.11.2025)"

All,

On behalf of Delek Logistics, a reportable release has occurred along a Delek pipeline right-of-way. The cause of the release is still under investigation as well as the volume released. Preliminary readings are showing 1,200 bbl of Produced Water released with an undetermined amount recovered at this time. The release has currently been stopped and free-standing fluids is currently being removed from the site.

Site Name: Big Buck (03.11.2025)
Site Coordinates: 32.504495, -103.630196
Lea County, New Mexico
Surface Owner: BLM
USTR: Z-01-21S-32E

A NOR is currently being submitted and after a full spill investigation a C-141 will be submitted as well.

Please let me know if you have any questions!

Thanks!

Ashton Thielke
Environmental Manager
310 West Wall Street, Suite 500

Midland TX, 79701

M: 432-813-8988 C: 281-753-5659

ThielkeA@carmonaresources.com

[Environmental Consulting Firm - Carmona Resources](#)

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 505270

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 505270
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507068248
Incident Name	NAPP2507068248 BIG BUCK (03.11.2025) @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	BIG BUCK (03.11.2025)
Date Release Discovered	03/11/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	6,750
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/19/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	432-813-8988 - Carmona Resources
Please provide any information necessary for navigation to sampling site	32.499358,-103.632389 A 400sqft composite confirmation sampling variance has been approved on 05.20.2025

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

CONDITIONS

Action 505270

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 505270
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	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.	9/11/2025
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/11/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 505272

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 505272
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507068248
Incident Name	NAPP2507068248 BIG BUCK (03.11.2025) @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	BIG BUCK (03.11.2025)
Date Release Discovered	03/11/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	6,750
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/22/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	432-813-8988 - Carmona Resources
Please provide any information necessary for navigation to sampling site	32.499358,-103.632389 A 400sqft composite confirmation sampling variance has been approved on 05.20.2025

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

CONDITIONS

Action 505272

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 505272
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	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.	9/11/2025
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/11/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 505273

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 505273
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507068248
Incident Name	NAPP2507068248 BIG BUCK (03.11.2025) @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	BIG BUCK (03.11.2025)
Date Release Discovered	03/11/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	6,750
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/23/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	432-813-8988 - Carmona Resources
Please provide any information necessary for navigation to sampling site	32.499358,-103.632389 A 400sqft composite confirmation sampling variance has been approved on 05.20.2025

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

CONDITIONS

Action 505273

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 505273
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	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.	9/11/2025
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/11/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 505276

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 505276
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507068248
Incident Name	NAPP2507068248 BIG BUCK (03.11.2025) @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	BIG BUCK (03.11.2025)
Date Release Discovered	03/11/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	6,750
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/24/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	432-813-8988 - Carmona Resources
Please provide any information necessary for navigation to sampling site	32.499358,-103.632389 A 400sqft composite confirmation sampling variance has been approved on 05.20.2025

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

CONDITIONS

Action 505276

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 505276
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	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.	9/11/2025
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/11/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 505279

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 505279
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507068248
Incident Name	NAPP2507068248 BIG BUCK (03.11.2025) @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	BIG BUCK (03.11.2025)
Date Release Discovered	03/11/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	6,750
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/25/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	432-813-8988 - Carmona Resources
Please provide any information necessary for navigation to sampling site	32.499358,-103.632389 A 400sqft composite confirmation sampling variance has been approved on 05.20.2025

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

CONDITIONS

Action 505279

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 505279
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	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.	9/11/2025
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/11/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 505376

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 505376
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507068248
Incident Name	NAPP2507068248 BIG BUCK (03.11.2025) @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	BIG BUCK (03.11.2025)
Date Release Discovered	03/11/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	6,750
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/26/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	432-813-8988 - Carmona Resources
Please provide any information necessary for navigation to sampling site	32.499358,-103.632389 A 400sqft composite confirmation sampling variance has been approved on 05.20.2025

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

CONDITIONS

Action 505376

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 505376
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	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.	9/11/2025
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/11/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 509944

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 509944
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507068248
Incident Name	NAPP2507068248 BIG BUCK (03.11.2025) @ C-12-21S-32E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	BIG BUCK (03.11.2025)
Date Release Discovered	03/11/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	6,750
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/01/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	432-813-8988 - Carmona Resources
Please provide any information necessary for navigation to sampling site	32.499358,-103.632389 A 400sqft composite confirmation sampling variance has been approved on 05.20.2025

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

CONDITIONS

Action 509944

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 509944
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	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.	9/29/2025
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/29/2025

APPENDIX D

CARMONA RESOURCES

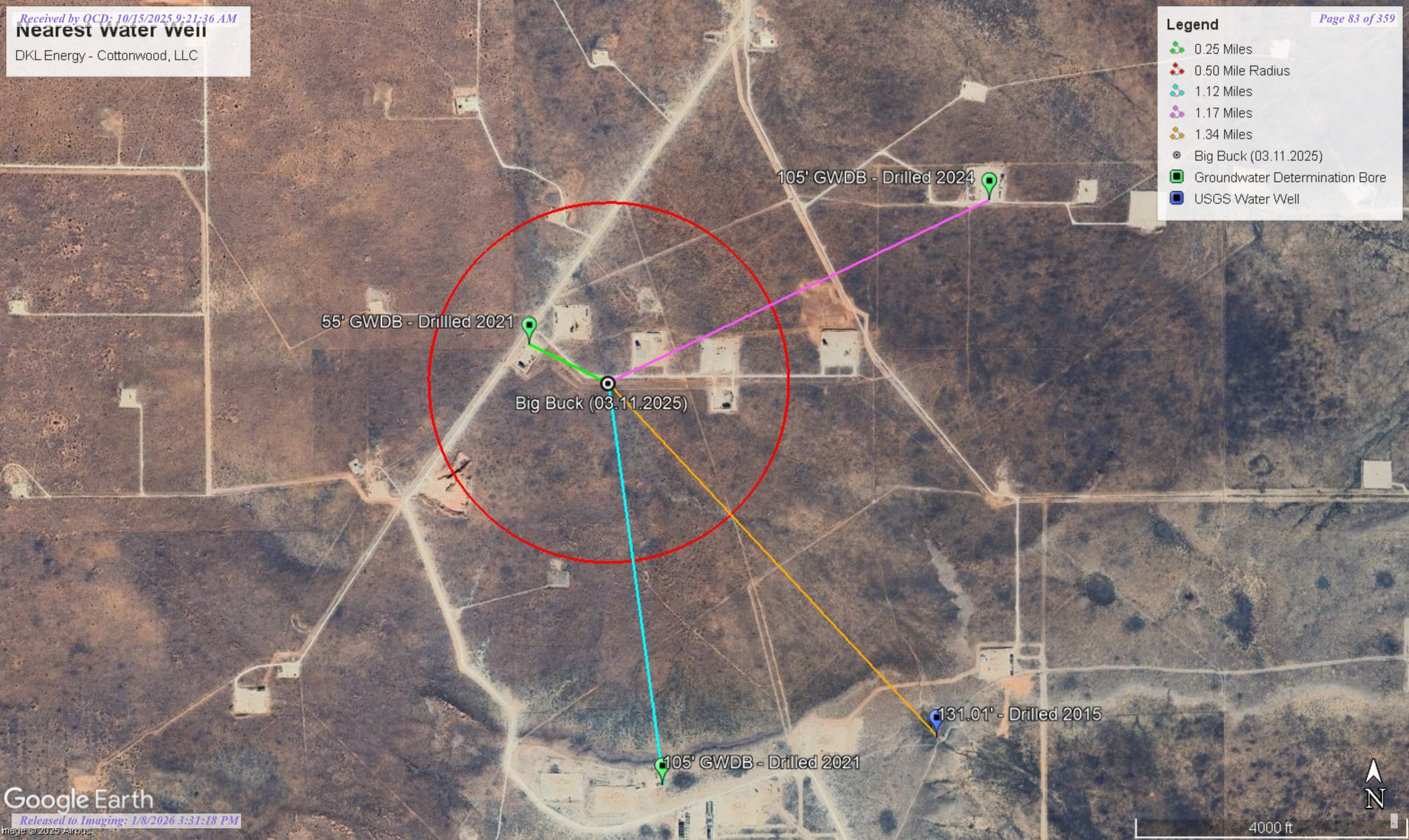


Nearest water well

DKL Energy - Cottonwood, LLC

Legend

- 0.25 Miles
- 0.50 Mile Radius
- 1.12 Miles
- 1.17 Miles
- 1.34 Miles
- Big Buck (03.11.2025)
- Groundwater Determination Bore
- USGS Water Well



Low Karst

DKL Energy - Cottonwood, LLC

Legend

- Big Buck (03.11.2025)
- Low

Big Buck (03.11.2025)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	(meters)	(In feet)		
													Distance	Well Depth	Depth Water	Water Column
CP 01884 POD1		CP	LE	SW	SW	SW	01	21S	32E	628120.8	3596776.5		393		55	
CP 00793 POD1		CP	LE	NW	NW	NE	01	21S	32E	628932.0	3598270.0 *		1719		1000	
CP 01877 POD1		CP	LE	SE	NE	NW	13	21S	32E	628739.3	3594827.3		1802			
CP 02032 POD1		CP	LE	NW	NE	SW	06	21S	33E	630164.2	3597443.5		1880		105	
CP 00794 POD1		CP	LE	SE	NW	NW	18	21S	33E	629976.0	3594865.0 *		2300		160	
CP 00795 POD1		CP	LE	SE	NW	NW	18	21S	33E	629976.0	3594865.0 *		2300		170	

Average Depth to Water: 0 feet

Minimum Depth: 0 feet

Maximum Depth: 0 feet

Record Count: 6

UTM Filters (in meters):

Easting: 628478.00

Northing: 3596611.00

Radius: 4000

* UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1884			
	WELL OWNER NAME(S) Ascent Energy				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS P.O Box 270983				CITY Littleton	STATE CO	ZIP 80127	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 30	SECONDS 3.18	N	• ACCURACY REQUIRED: ONE TENTH OF A SECOND • DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW SW SW Sec. 01 T21S R32E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 09/08/2021		DRILLING ENDED 09/08/2021		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						


FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. CP-1884	POD NO. 1	TRN NO. 699871
LOCATION 21S-32E-01 333	WELL TAG ID NO. N/A	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	9	9	Sand, Medium/fine, with some caliche, Red	Y ✓ N	
	9	14	5	Sand, Medium/fine, with some caliche, Brown	Y ✓ N	
	14	24	10	Caliche with Medium/fine sand, Off white	Y ✓ N	
	24	34	10	Sand, Medium/fine, with some caliche, Brown	Y ✓ N	
	34	55	21	Caliche with Medium/fine sand, Off white	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt and Carmelo Trevino	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Jackie D. Atkins	09/27/2021
SIGNATURE OF DRILLER / PRINT SIGNEE NAME		DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. CP-1884	POD NO. 1	TRN NO. 699871
LOCATION 215-32E-01 333	WELL TAG ID NO. N/A	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-1877 CP-1877			
	WELL OWNER NAME(S) Advanced Energy Partners				PHONE (OPTIONAL) 832.672.4700			
	WELL OWNER MAILING ADDRESS 11490 Westheimer Rd. Stuit 950				CITY STATE ZIP Houston TX 77077			
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 28	SECONDS 59.64 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NE NW Sec. 13 T21S R32E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 09/21/2021		DRILLING ENDED 09/21/2021		DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) 105	
	COMPLETED WELL IS:		<input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	105	±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						


FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	CP-1877	POD NO.	1	TRN NO.	099501
LOCATION	Mon	215.32E.13.124	WELL TAG ID NO.		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	19	19	Caliche, consolidated with sand, White	Y ✓ N	
	19	29	10	Sand, Fine-grained, poorly graded, Tan	Y ✓ N	
	29	105	76	Sand, Fine-grained, poorly graded, Reddish Brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Jackie D. Atkins SIGNATURE OF DRILLER / PRINT SIGNEE NAME	10-22-2021 DATE

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. CP-1877	POD NO. 1	TRN NO. 699501
LOCATION Mon 215.32E.13.124	WELL TAG ID NO.	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO (WELL NO) POD 1		WELL TAG ID NO N/A		OSE FILE NO(S) CP 02022 POD1		
	WELL OWNER NAME(S) Matador Production Company				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS R347 N26th Rural Street 2nd Floor				CITY Artesia	STATE NM	
					ZIP 88210		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 30	23.98	N	
		LONGITUDE	-103	36	51.6	W	
* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84							
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Unit K, Section 06, T 21S, R 33E, Lea, County							
2. DRILLING & CASING INFORMATION	LICENSE NO WD1188		NAME OF LICENSED DRILLER John Scarborough		NAME OF WELL DRILLING COMPANY John Scarborough Drilling Inc.		
	DRILLING STARTED 11/12/2024	DRILLING ENDED 11/12/2024	DEPTH OF COMPLETED WELL (FT) 105	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	FROM	TO					
	0	105	5.00	Soil Boring			
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	FROM	TO					
				N/A			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	10	10	Sand with Gravel, Red, Fine grained with small to large gravel	Y ✓ N	
	10	20	10	Sand with Gravel, Red, Fine grained with small to large gravel	Y ✓ N	
	20	30	10	Silty Sand, Red, Fine grained	Y ✓ N	
	30	40	10	Silty Sand, Red, Fine grained	Y ✓ N	
	40	50	10	Silty Sand, Red, Fine grained	Y ✓ N	
	50	60	10	Silty Gravel with Sand, Red, Very fine to Medium Grained with Large Gravel	Y ✓ N	
	60	70	10	Silty Gravel with Sand, Red, Very fine to Medium Grained with Large Gravel	Y ✓ N	
	70	80	10	Silty Gravel with Sand, Red, Very fine to Medium Grained with Large Gravel	Y ✓ N	
	80	90	10	Silty Gravel with Sand, Red, Very fine to Medium Grained with Large Gravel	Y ✓ N	
	90	100	10	Fat Clay with Gravel, Red, Very fine with small to large gravel	Y ✓ N	
	100	105	5	Fat Clay with Gravel, Red, Very fine with small to large gravel	Y ✓ N	
	105	105	0	Fat Clay with Gravel, Red, Very fine with small to large gravel	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST, RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to 10 ft below ground surface (bgs), then hydrated bentonite chips 10 ft bgs to ground surface.	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:		

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
Scott Scarborough	Digitally signed by Scott Scarborough Date: 2024.11.18 13:47:52 +0700	DATE
SIGNATURE OF DRILLER / PRINT SIGNED NAME		


FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

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 hideNews 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 =

- 322851103365201

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

USGS 322851103365201 21S.33E.18.12314

Lea County, New Mexico
Latitude 32°29'06.6", Longitude 103°37'00.6" NAD83
Land-surface elevation 3,883 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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
1965-11-16			D 62610		3764.22	NGVD29	1		Z	
1965-11-16			D 62611		3765.86	NAVD88	1		Z	
1965-11-16			D 72019	117.14			1		Z	
1968-03-21			D 62610		3764.19	NGVD29	1		Z	
1968-03-21			D 62611		3765.83	NAVD88	1		Z	
1968-03-21			D 72019	117.17			1		Z	
1971-02-04			D 62610		3763.86	NGVD29	1		Z	
1971-02-04			D 62611		3765.50	NAVD88	1		Z	
1971-02-04			D 72019	117.50			1		Z	
1972-09-12			D 62610		3764.56	NGVD29	1		Z	
1972-09-12			D 62611		3766.20	NAVD88	1		Z	
1972-09-12			D 72019	116.80			1		Z	
1976-12-16			D 62610		3766.56	NGVD29	1		Z	
1976-12-16			D 62611		3768.20	NAVD88	1		Z	
1976-12-16			D 72019	114.80			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	
1981-03-10	D	62610	3765.71	NGVD29	1	Z	
1981-03-10	D	62611	3767.35	NAVD88	1	Z	
1981-03-10	D	72019	115.65		1	Z	
1986-03-20	D	62610	3766.51	NGVD29	1	Z	
1986-03-20	D	62611	3768.15	NAVD88	1	Z	
1986-03-20	D	72019	114.85		1	Z	
1991-04-18	D	62610	3766.53	NGVD29	1	Z	
1991-04-18	D	62611	3768.17	NAVD88	1	Z	
1991-04-18	D	72019	114.83		1	Z	
1996-02-20	D	62610	3765.61	NGVD29	1	S	
1996-02-20	D	62611	3767.25	NAVD88	1	S	
1996-02-20	D	72019	115.75		1	S	
2015-12-17 22:00 UTC	m	62610	3750.35	NGVD29	P	S	USGS
2015-12-17 22:00 UTC	m	62611	3751.99	NAVD88	P	S	USGS
2015-12-17 22:00 UTC	m	72019	131.01		P	S	USGS

Explanation

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

[Questions or Comments](#)
[Automated retrievals](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)
[News](#)

Accessibility FOIA Privacy Policies and Notices
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=322851103365201&agency_cd=USGS&format=html)



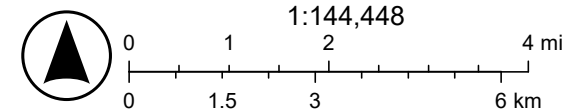
Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2024-02-09 10:17:59 EST
0.28 0.24 nadww02

Big Buck (03.11.2025)



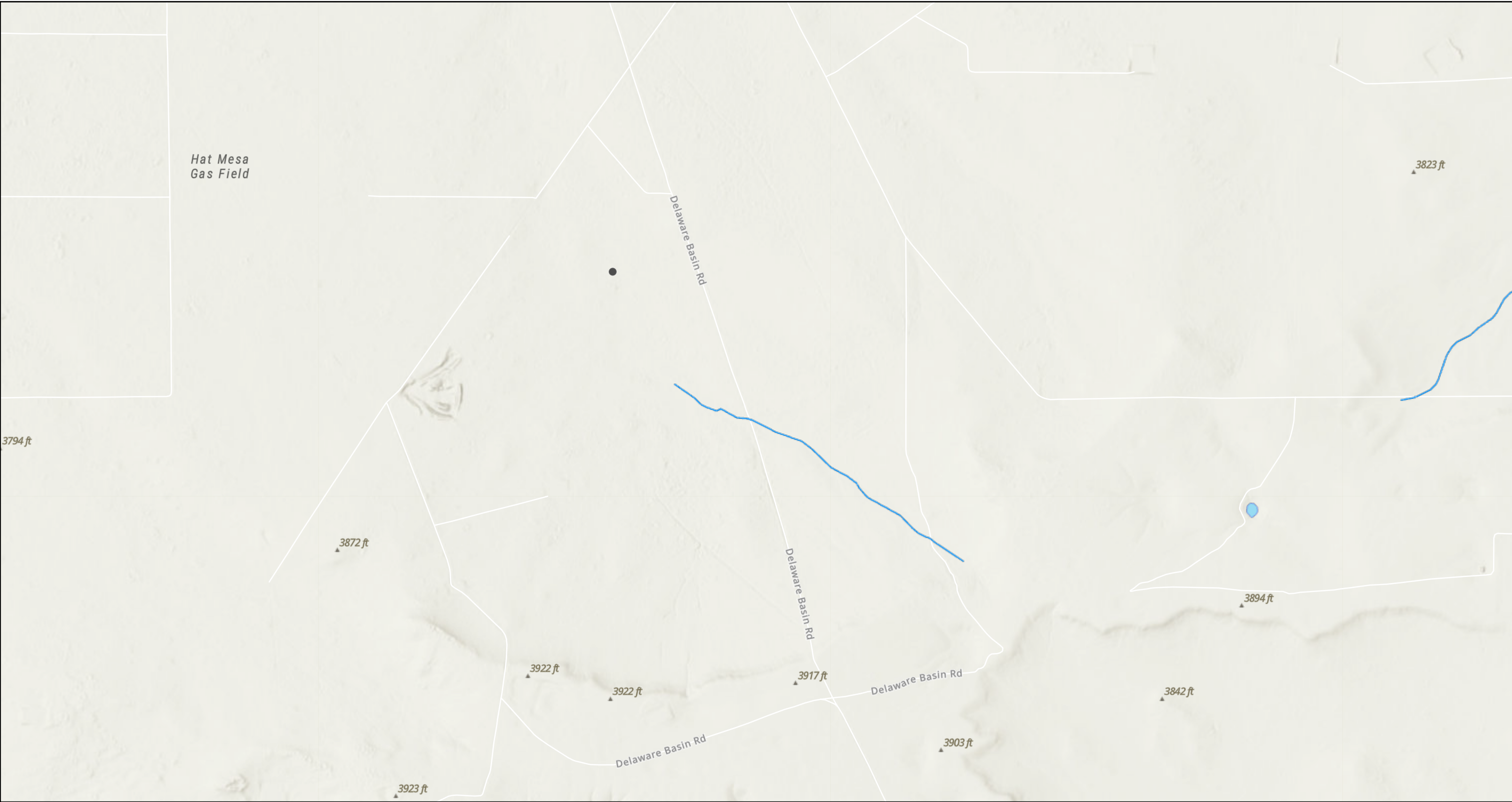
3/11/2025

World_Hillshade



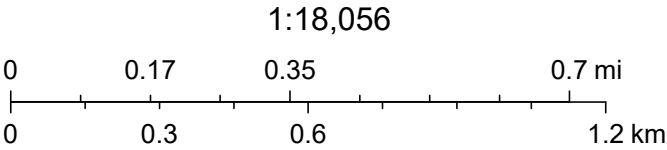
Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

Big Buck (03.11.2025)



3/11/2025, 8:15:41 PM

- OSW Water Bodys
- OSE Streams



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

APPENDIX E

CARMONA RESOURCES





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

March 26, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BIG BUCK

Enclosed are the results of analyses for samples received by the laboratory on 03/25/25 13:43.

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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (0-6") (H251740-01)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	03/26/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	1.13	0.100	03/26/2025	ND	2.02	101	2.00	1.90	QM-07, QR-03
Ethylbenzene*	9.32	0.100	03/26/2025	ND	2.06	103	2.00	2.67	GC-NC1, QM-07
Total Xylenes*	31.2	0.300	03/26/2025	ND	6.08	101	6.00	2.41	QM-07
Total BTEx	41.6	0.600	03/26/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 151 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	03/26/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1660	50.0	03/26/2025	ND	200	100	200	1.21	QR-03
DRO >C10-C28*	14500	50.0	03/26/2025	ND	188	94.0	200	0.487	QM-07
EXT DRO >C28-C36	2310	50.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 633 % 44.4-145

Surrogate: 1-Chlorooctadecane 375 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (1') (H251740-02)

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	03/25/2025	ND	1.90	95.2	2.00	1.18		
Toluene*	<0.050	0.050	03/25/2025	ND	2.02	101	2.00	1.90		
Ethylbenzene*	0.154	0.050	03/25/2025	ND	2.06	103	2.00	2.67	GC-NC1	
Total Xylenes*	0.348	0.150	03/25/2025	ND	6.08	101	6.00	2.41		
Total BTEx	0.502	0.300	03/25/2025	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	03/26/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	37.6	10.0	03/25/2025	ND	200	100	200	1.21	
DRO >C10-C28*	570	10.0	03/25/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	88.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 82.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (2') (H251740-03)

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	03/25/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	<0.050	0.050	03/25/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.06	103	2.00	2.67	
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.08	101	6.00	2.41	
Total BTX	<0.300	0.300	03/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	3120	16.0	03/26/2025	ND	432	108	400	0.00	QM-07	

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	03/25/2025	ND	200	100	200	1.21	
DRO >C10-C28*	130	10.0	03/25/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	22.2	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (3') (H251740-04)

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	03/25/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	<0.050	0.050	03/25/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.06	103	2.00	2.67	
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.08	101	6.00	2.41	
Total BTEx	<0.300	0.300	03/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	3840	16.0	03/26/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	200	100	200	1.21	
DRO >C10-C28*	31.5	10.0	03/25/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (4') (H251740-05)

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	03/25/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	<0.050	0.050	03/25/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.06	103	2.00	2.67	
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.08	101	6.00	2.41	
Total BTEX	<0.300	0.300	03/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	4160	16.0	03/26/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	16.7	10.0	03/25/2025	ND	200	100	200	1.21	
DRO >C10-C28*	505	10.0	03/25/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	85.2	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (5') (H251740-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/25/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	<0.050	0.050	03/25/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.06	103	2.00	2.67	
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.08	101	6.00	2.41	
Total BTEx	<0.300	0.300	03/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	6320	16.0	03/26/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	200	100	200	1.21	
DRO >C10-C28*	22.9	10.0	03/25/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (6') (H251740-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/25/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	<0.050	0.050	03/25/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.06	103	2.00	2.67	
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.08	101	6.00	2.41	
Total BTEX	<0.300	0.300	03/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	6000	16.0	03/26/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	200	100	200	1.21	
DRO >C10-C28*	261	10.0	03/25/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	46.7	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 2 (0-6") (H251740-08)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	03/26/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	1.88	0.100	03/26/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	8.95	0.100	03/26/2025	ND	2.06	103	2.00	2.67	GC-NC1
Total Xylenes*	26.6	0.300	03/26/2025	ND	6.08	101	6.00	2.41	
Total BTEX	37.5	0.600	03/26/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 141 % 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	3120	16.0	03/26/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1220	50.0	03/26/2025	ND	200	100	200	1.21	
DRO >C10-C28*	12900	50.0	03/26/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	2190	50.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 500 % 44.4-145

Surrogate: 1-Chlorooctadecane 348 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 2 (1') (H251740-09)

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	03/25/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	<0.050	0.050	03/25/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.06	103	2.00	2.67	
Total Xylenes*	<0.150	0.150	03/25/2025	ND	6.08	101	6.00	2.41	
Total BTEx	<0.300	0.300	03/25/2025	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	128	16.0	03/26/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	200	100	200	1.21	
DRO >C10-C28*	144	10.0	03/25/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	25.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 2 (2') (H251740-10)

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	03/26/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	<0.050	0.050	03/26/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.06	103	2.00	2.67	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.08	101	6.00	2.41	
Total BTX	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	128	16.0	03/26/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	200	100	200	1.21	
DRO >C10-C28*	169	10.0	03/25/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	30.1	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 98.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 2 (3') (H251740-11)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	<0.050	0.050	03/26/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.06	103	2.00	2.67	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.08	101	6.00	2.41	
Total BTX	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	128	16.0	03/26/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	200	100	200	1.21	
DRO >C10-C28*	273	10.0	03/25/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	50.5	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 2 (4') (H251740-12)

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	03/26/2025	ND	1.90	95.2	2.00	1.18		
Toluene*	<0.050	0.050	03/26/2025	ND	2.02	101	2.00	1.90		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.06	103	2.00	2.67		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.08	101	6.00	2.41		
Total BTX	<0.300	0.300	03/26/2025	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	6800	16.0	03/26/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	200	100	200	1.21	
DRO >C10-C28*	72.9	10.0	03/25/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	14.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 4 (0-6") (H251740-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	03/26/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	10.6	1.00	03/26/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	26.1	1.00	03/26/2025	ND	2.06	103	2.00	2.67	GC-NC1
Total Xylenes*	75.1	3.00	03/26/2025	ND	6.08	101	6.00	2.41	
Total BTEX	112	6.00	03/26/2025	ND					GC-NC1

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	4160	16.0	03/26/2025	ND	432	108	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2860	50.0	03/26/2025	ND	200	100	200	1.21	
DRO >C10-C28*	15400	50.0	03/26/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	2490	50.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 677 % 44.4-145

Surrogate: 1-Chlorooctadecane 460 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 4 (1') (H251740-14)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	03/26/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	6.66	1.00	03/26/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	20.1	1.00	03/26/2025	ND	2.06	103	2.00	2.67	GC-NC1
Total Xylenes*	56.6	3.00	03/26/2025	ND	6.08	101	6.00	2.41	
Total BTEX	83.4	6.00	03/26/2025	ND					GC-NC1

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	2920	16.0	03/26/2025	ND	432	108	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2270	50.0	03/26/2025	ND	200	100	200	1.21	
DRO >C10-C28*	11400	50.0	03/26/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	1770	50.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 504 % 44.4-145

Surrogate: 1-Chlorooctadecane 312 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 4 (2') (H251740-15)

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	03/26/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	<0.050	0.050	03/26/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.06	103	2.00	2.67	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.08	101	6.00	2.41	
Total BTX	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	4480	16.0	03/26/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	200	100	200	1.21	
DRO >C10-C28*	168	10.0	03/25/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	29.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 4 (3') (H251740-16)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	0.505	0.050	03/26/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	3.44	0.050	03/26/2025	ND	2.06	103	2.00	2.67	GC-NC1
Total Xylenes*	9.32	0.150	03/26/2025	ND	6.08	101	6.00	2.41	
Total BTEX	13.3	0.300	03/26/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 147 % 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	4480	16.0	03/26/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	322	10.0	03/25/2025	ND	200	100	200	1.21	
DRO >C10-C28*	3010	10.0	03/25/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	500	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 118 % 44.4-145

Surrogate: 1-Chlorooctadecane 129 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 4 (4') (H251740-17)

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	03/26/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	<0.050	0.050	03/26/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.06	103	2.00	2.67	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.08	101	6.00	2.41	
Total BTX	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	7600	16.0	03/26/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	22.2	10.0	03/26/2025	ND	200	100	200	1.21	
DRO >C10-C28*	500	10.0	03/26/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	91.3	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 4 (5') (H251740-18)

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	03/26/2025	ND	1.90	95.2	2.00	1.18		
Toluene*	<0.050	0.050	03/26/2025	ND	2.02	101	2.00	1.90		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.06	103	2.00	2.67		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.08	101	6.00	2.41		
Total BTEx	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	7200	16.0	03/26/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.21	
DRO >C10-C28*	19.0	10.0	03/26/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 4 (6') (H251740-19)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	<0.050	0.050	03/26/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.06	103	2.00	2.67	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.08	101	6.00	2.41	
Total BTX	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	8320	16.0	03/26/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	200	100	200	1.21	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 79.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 5 (0-6") (H251740-20)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	03/26/2025	ND	1.90	95.2	2.00	1.18	
Toluene*	2.48	0.100	03/26/2025	ND	2.02	101	2.00	1.90	
Ethylbenzene*	10.5	0.100	03/26/2025	ND	2.06	103	2.00	2.67	GC-NC1
Total Xylenes*	28.3	0.300	03/26/2025	ND	6.08	101	6.00	2.41	
Total BTEX	41.3	0.600	03/26/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 146 % 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	5280	16.0	03/26/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1130	50.0	03/26/2025	ND	200	100	200	1.21	
DRO >C10-C28*	5950	50.0	03/26/2025	ND	188	94.0	200	0.487	
EXT DRO >C28-C36	933	50.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 265 % 44.4-145

Surrogate: 1-Chlorooctadecane 205 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 5 (1') (H251740-21)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/25/2025	ND	2.11	105	2.00	11.2	
Toluene*	<0.050	0.050	03/25/2025	ND	2.25	113	2.00	10.0	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.47	124	2.00	10.9	
Total Xylenes*	0.236	0.150	03/25/2025	ND	7.58	126	6.00	12.0	
Total BTX	<0.300	0.300	03/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 146 % 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	3440	16.0	03/26/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	192	95.9	200	1.33	
DRO >C10-C28*	165	10.0	03/25/2025	ND	192	95.9	200	1.33	QM-07
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 88.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 5 (2') (H251740-22)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/25/2025	ND	2.11	105	2.00	11.2	
Toluene*	<0.050	0.050	03/25/2025	ND	2.25	113	2.00	10.0	
Ethylbenzene*	0.100	0.050	03/25/2025	ND	2.47	124	2.00	10.9	GC-NC1
Total Xylenes*	0.651	0.150	03/25/2025	ND	7.58	126	6.00	12.0	
Total BTEX	0.751	0.300	03/25/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 145 % 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	3520	16.0	03/26/2025	ND	432	108	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	31.6	10.0	03/25/2025	ND	192	95.9	200	1.33	
DRO >C10-C28*	849	10.0	03/25/2025	ND	192	95.9	200	1.33	
EXT DRO >C28-C36	123	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 88.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 5 (3') (H251740-23)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/25/2025	ND	2.11	105	2.00	11.2	
Toluene*	<0.050	0.050	03/25/2025	ND	2.25	113	2.00	10.0	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.47	124	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/25/2025	ND	7.58	126	6.00	12.0	
Total BTX	<0.300	0.300	03/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 71.5-134

Chloride, SM4500CI-B		mg/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	03/26/2025	ND	432	108	400	3.64	QM-07

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	03/25/2025	ND	192	95.9	200	1.33	
DRO >C10-C28*	28.9	10.0	03/25/2025	ND	192	95.9	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 5 (4') (H251740-24)

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	03/25/2025	ND	2.11	105	2.00	11.2	
Toluene*	<0.050	0.050	03/25/2025	ND	2.25	113	2.00	10.0	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.47	124	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/25/2025	ND	7.58	126	6.00	12.0	
Total BTEX	<0.300	0.300	03/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7520	16.0	03/26/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	192	95.9	200	1.33	
DRO >C10-C28*	11.1	10.0	03/25/2025	ND	192	95.9	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 5 (5') (H251740-25)

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	03/25/2025	ND	2.11	105	2.00	11.2	
Toluene*	<0.050	0.050	03/25/2025	ND	2.25	113	2.00	10.0	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.47	124	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/25/2025	ND	7.58	126	6.00	12.0	
Total BTEX	<0.300	0.300	03/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	03/26/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	192	95.9	200	1.33	
DRO >C10-C28*	23.6	10.0	03/25/2025	ND	192	95.9	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/25/2025
 Reported: 03/26/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 5 (6') (H251740-26)

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	03/25/2025	ND	2.11	105	2.00	11.2	
Toluene*	<0.050	0.050	03/25/2025	ND	2.25	113	2.00	10.0	
Ethylbenzene*	<0.050	0.050	03/25/2025	ND	2.47	124	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/25/2025	ND	7.58	126	6.00	12.0	
Total BTX	<0.300	0.300	03/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	03/26/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	192	95.9	200	1.33	
DRO >C10-C28*	11.2	10.0	03/25/2025	ND	192	95.9	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H357740

Page 1 of 3

Project Manager:		Ashion Thielke		Bill to: (if different)		Carmona	
Company Name:		Carmona Resources		Company Name:		Carmona Resources	
Address:		310 W Wall St Ste 500		Address:		310 West Wall Street Suite 500	
City, State ZIP:		Midland, TX 79701		City, State ZIP:		Midland, TX 79701	
Phone:		432-813-8988		Email:		ThielkeA@carmonaresources.com	
Project Name:		Big Buck		Turn Around		Pres. Code	
Project Number:		2677		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			
Project Location:		Eddy Co. NM		Due Date:		24 hour TAT	
Sampler's Name:		JDC					
PO #:							
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:	
Received initial:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		#140	
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor:		+0.35	
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading:		34.0	
Total Containers:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Corrected Temperature:		34.0	
Sample Identification		Date		Time		Soil	
BH-1 (0-6")		3/25/2025				Grab/Comp	
BH-1 (1")		3/25/2025				Grab	
BH-1 (2")		3/25/2025				Grab	
BH-1 (3")		3/25/2025				Grab	
BH-1 (4")		3/25/2025				Grab	
BH-1 (5")		3/25/2025				Grab	
BH-1 (6")		3/25/2025				Grab	
BH-2 (0-6")		3/25/2025				Grab	
BH-2 (1")		3/25/2025				Grab	
BH-2 (2")		3/25/2025				Grab	
Comments:							
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
<u>[Signature]</u>		3/25/25 1343		<u>[Signature]</u>			

Program: UST/PST ☐ PRP ☐ Brownfields ☐ JRC ☐ Deepfund

State of Project: ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other: ☐

Preservative Codes	
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	
Sample Comments	

Chain of Custody

Work Order No: 4281740

Page 2 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@carmonaresources.com

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

Project Name:	Big Buck	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes			
Project Number:	2677															None: NO	DI Water: H ₂ O		
Project Location:	Eddy Co. NM	Due Date:	24 hour TAT													Cool: Cool	MeOH: Me		
Sampler's Name:	JDC															HCL: HC	HNO ₃ : HN		
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#440											NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	10.32											Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	3.0											Zn Acetate+NaOH: Zn					
Total Containers:		Corrected Temperature:	3.9											NaOH+Ascorbic Acid: SAPC					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
BH-2 (3)	3/25/2025		X		Grab	1	X	X	X								
BH-2 (4)	3/25/2025		X		Grab	1	X	X	X								
BH-4 (0-6")	3/25/2025		X		Grab	1	X	X	X								
BH-4 (1)	3/25/2025		X		Grab	1	X	X	X								
BH-4 (2)	3/25/2025		X		Grab	1	X	X	X								
BH-4 (3)	3/25/2025		X		Grab	1	X	X	X								
BH-4 (4)	3/25/2025		X		Grab	1	X	X	X								
BH-4 (5)	3/25/2025		X		Grab	1	X	X	X								
BH-4 (6)	3/25/2025		X		Grab	1	X	X	X								
BH-5 (0-6")	3/25/2025		X		Grab	1	X	X	X								

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>[Signature]</u>	3/25/25 1343	<u>[Signature]</u>	

Chain of Custody

Work Order No: HS77440

Page 3 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@carmonaresources.com

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

Project Name:	Big Buck	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	2677																None: NO	DI Water: H ₂ O			
Project Location:	Eddy Co, NM	Due Date:	24 hour TAT														Cool: Cool	MeOH: Me			
Sampler's Name:	JDC																HCL: HC	HNO ₃ : HN			
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP			
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140															NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	10.35															Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	31.0															Zn Acetate+NaOH: Zn			
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	3.9															NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
BH-5 (1)	3/25/2025			X		Grab	1	X	X	X											
BH-5 (2)	3/25/2025			X		Grab	1	X	X	X											
BH-5 (3)	3/25/2025			X		Grab	1	X	X	X											
BH-5 (4)	3/25/2025			X		Grab	1	X	X	X											
BH-5 (5)	3/25/2025			X		Grab	1	X	X	X											
BH-5 (6)	3/25/2025			X		Grab	1	X	X	X											

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>ASO</u>	3.25.25 1343	<u>Ashton Thielke</u>	



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

March 20, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BIG BUCK

Enclosed are the results of analyses for samples received by the laboratory on 03/18/25 13:42.

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, flowing style.

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: 03/18/2025
 Reported: 03/20/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 (0-6") (H251594-01)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2025	ND	1.99	99.5	2.00	1.97	
Toluene*	0.705	0.050	03/19/2025	ND	2.07	103	2.00	1.35	
Ethylbenzene*	2.11	0.050	03/19/2025	ND	2.10	105	2.00	1.73	
Total Xylenes*	10.5	0.150	03/19/2025	ND	6.29	105	6.00	1.68	QM-07
Total BTEx	13.3	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 149 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: CT					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	03/19/2025	ND	432	108	400	3.77	
TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	598	100	03/20/2025	ND	184	91.9	200	2.60	QM-07
DRO >C10-C28*	24000	100	03/20/2025	ND	184	92.0	200	3.15	QM-07, QR-03
EXT DRO >C28-C36	4520	100	03/20/2025	ND					

Surrogate: 1-Chlorooctane 301 % 44.4-145

Surrogate: 1-Chlorooctadecane 579 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/20/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 (1') (H251594-02)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2025	ND	1.99	99.5	2.00	1.97	
Toluene*	0.381	0.050	03/19/2025	ND	2.07	103	2.00	1.35	
Ethylbenzene*	1.10	0.050	03/19/2025	ND	2.10	105	2.00	1.73	
Total Xylenes*	6.12	0.150	03/19/2025	ND	6.29	105	6.00	1.68	
Total BTEX	7.60	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 158 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4300	16.0	03/19/2025	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*	147	10.0	03/19/2025	ND	184	91.9	200	2.60	
DRO >C10-C28*	1510	10.0	03/19/2025	ND	184	92.0	200	3.15	
EXT DRO >C28-C36	210	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 121 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/20/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 (1.5') (H251594-03)

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	03/19/2025	ND	1.99	99.5	2.00	1.97	
Toluene*	<0.050	0.050	03/19/2025	ND	2.07	103	2.00	1.35	
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.10	105	2.00	1.73	
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.29	105	6.00	1.68	
Total BTX	<0.300	0.300	03/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4480	16.0	03/19/2025	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*	11.3	10.0	03/19/2025	ND	184	91.9	200	2.60	
DRO >C10-C28*	341	10.0	03/19/2025	ND	184	92.0	200	3.15	
EXT DRO >C28-C36	38.4	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 90.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/20/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 (2') (H251594-04)

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	03/19/2025	ND	1.99	99.5	2.00	1.97		
Toluene*	<0.050	0.050	03/19/2025	ND	2.07	103	2.00	1.35		
Ethylbenzene*	0.103	0.050	03/19/2025	ND	2.10	105	2.00	1.73		
Total Xylenes*	0.806	0.150	03/19/2025	ND	6.29	105	6.00	1.68		
Total BTEX	0.909	0.300	03/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4560	16.0	03/19/2025	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*	22.2	10.0	03/19/2025	ND	184	91.9	200	2.60	
DRO >C10-C28*	626	10.0	03/19/2025	ND	184	92.0	200	3.15	
EXT DRO >C28-C36	98.8	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/20/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 (3') (H251594-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2025	ND	1.99	99.5	2.00	1.97		
Toluene*	<0.050	0.050	03/19/2025	ND	2.07	103	2.00	1.35		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.10	105	2.00	1.73		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.29	105	6.00	1.68		
Total BTX	<0.300	0.300	03/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7040	16.0	03/19/2025	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	03/19/2025	ND	184	91.9	200	2.60	
DRO >C10-C28*	334	10.0	03/19/2025	ND	184	92.0	200	3.15	
EXT DRO >C28-C36	62.8	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/20/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 (4') (H251594-06)

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	03/19/2025	ND	1.99	99.5	2.00	1.97		
Toluene*	<0.050	0.050	03/19/2025	ND	2.07	103	2.00	1.35		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.10	105	2.00	1.73		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.29	105	6.00	1.68		
Total BTX	<0.300	0.300	03/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7680	16.0	03/19/2025	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	03/19/2025	ND	184	91.9	200	2.60	
DRO >C10-C28*	352	10.0	03/19/2025	ND	184	92.0	200	3.15	
EXT DRO >C28-C36	60.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/20/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 (5') (H251594-07)

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	03/19/2025	ND	1.99	99.5	2.00	1.97		
Toluene*	<0.050	0.050	03/19/2025	ND	2.07	103	2.00	1.35		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.10	105	2.00	1.73		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.29	105	6.00	1.68		
Total BTX	<0.300	0.300	03/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7040	16.0	03/19/2025	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	03/19/2025	ND	184	91.9	200	2.60	
DRO >C10-C28*	112	10.0	03/19/2025	ND	184	92.0	200	3.15	
EXT DRO >C28-C36	10.3	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/20/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 (6') (H251594-08)

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	03/19/2025	ND	1.99	99.5	2.00	1.97		
Toluene*	<0.050	0.050	03/19/2025	ND	2.07	103	2.00	1.35		
Ethylbenzene*	<0.050	0.050	03/19/2025	ND	2.10	105	2.00	1.73		
Total Xylenes*	<0.150	0.150	03/19/2025	ND	6.29	105	6.00	1.68		
Total BTX	<0.300	0.300	03/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8080	16.0	03/19/2025	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	03/19/2025	ND	184	91.9	200	2.60	
DRO >C10-C28*	186	10.0	03/19/2025	ND	184	92.0	200	3.15	
EXT DRO >C28-C36	23.6	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 1851594

Project Manager:	Ashton Thielke	Bill to: (if different)	Camrona
Company Name:	Camrona Resources	Company Name:	Camrona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@camronaresources.com

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

Project Name:	Big Buck	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2677																None: NO	DI Water: H ₂ O	
Project Location:	Eddy Co, NM	Due Date:	48 hour TAT														Cool: Cool	MeOH: Me	
Sampler's Name:	RP/JDC																HCL: HC	HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	+0.3															Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	11.1c															Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:	11.4c															NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH 8												Sample Comments	
BH-3 (0-6")	3/18/2025		X		Grab	1	X	X	X											
BH-3 (1')	3/18/2025		X		Grab	1	X	X	X	X										
BH-3 (1.5')	3/18/2025		X		Grab	1	X	X	X	X										
BH-3 (2')	3/18/2025		X		Grab	1	X	X	X	X										
BH-3 (3')	3/18/2025		X		Grab	1	X	X	X	X										
BH-3 (4')	3/18/2025		X		Grab	1	X	X	X	X										
BH-3 (5')	3/18/2025		X		Grab	1	X	X	X	X										
BH-3 (6')	3/18/2025		X		Grab	1	X	X	X	X										
																		</		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Joel Del Camero	3-18-25 1348	Sheddiequary	



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

March 24, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BIG BUCK

Enclosed are the results of analyses for samples received by the laboratory on 03/21/25 14:49.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 6 (0-6") (H251686-01)

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.62	0.500	03/22/2025	ND	1.98	98.8	2.00	3.47	
Toluene*	61.5	0.500	03/22/2025	ND	2.02	101	2.00	4.49	
Ethylbenzene*	49.0	0.500	03/22/2025	ND	2.03	101	2.00	4.96	
Total Xylenes*	174	1.50	03/22/2025	ND	6.17	103	6.00	4.17	
Total BTX	286	3.00	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 176 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	03/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	4560	50.0	03/24/2025	ND	221	111	200	6.28	QR-03
DRO >C10-C28*	16000	50.0	03/24/2025	ND	212	106	200	9.74	QM-07
EXT DRO >C28-C36	1840	50.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 550 % 44.4-145

Surrogate: 1-Chlorooctadecane 309 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 6 (1') (H251686-02)

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	03/22/2025	ND	1.98	98.8	2.00	3.47	
Toluene*	0.684	0.050	03/22/2025	ND	2.02	101	2.00	4.49	
Ethylbenzene*	0.405	0.050	03/22/2025	ND	2.03	101	2.00	4.96	
Total Xylenes*	2.24	0.150	03/22/2025	ND	6.17	103	6.00	4.17	
Total BTEX	3.33	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	03/24/2025	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*	46.4	10.0	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	395	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	58.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 6 (2') (H251686-03)

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	03/22/2025	ND	1.98	98.8	2.00	3.47		
Toluene*	<0.050	0.050	03/22/2025	ND	2.02	101	2.00	4.49		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.03	101	2.00	4.96		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.17	103	6.00	4.17		
Total BTEx	<0.300	0.300	03/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7040	16.0	03/24/2025	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	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	77.7	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 6 (3') (H251686-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2025	ND	1.84	92.0	2.00	18.7		
Toluene*	<0.050	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0		
Ethylbenzene*	0.076	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0	QM-07	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7		
Total BTX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6880	16.0	03/24/2025	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*	10.3	10.0	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	282	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	42.4	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 6 (4') (H251686-05)

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	03/21/2025	ND	1.84	92.0	2.00	18.7		
Toluene*	<0.050	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0		
Ethylbenzene*	0.080	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0		
Total Xylenes*	0.219	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7840	16.0	03/24/2025	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	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	113	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	15.9	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 99.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 6 (5') (H251686-06)

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	03/21/2025	ND	1.84	92.0	2.00	18.7	
Toluene*	<0.050	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7	
Total BTX	<0.300	0.300	03/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8130	16.0	03/24/2025	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	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	15.9	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 97.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 6 (6') (H251686-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2025	ND	1.84	92.0	2.00	18.7		
Toluene*	0.079	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7		
Total BTEx	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6930	16.0	03/24/2025	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	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	11.1	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 7 (0-6") (H251686-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/22/2025	ND	1.84	92.0	2.00	18.7	
Toluene*	23.3	0.500	03/22/2025	ND	1.75	87.5	2.00	23.0	
Ethylbenzene*	33.1	0.500	03/22/2025	ND	1.67	83.5	2.00	28.0	
Total Xylenes*	85.9	1.50	03/22/2025	ND	4.95	82.6	6.00	27.7	
Total BTEX	142	3.00	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5330	16.0	03/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2320	10.0	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	6870	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	1040	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 331 % 44.4-145

Surrogate: 1-Chlorooctadecane 189 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 7 (1') (H251686-09)

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	03/21/2025	ND	1.84	92.0	2.00	18.7	
Toluene*	1.06	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0	
Ethylbenzene*	1.40	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0	
Total Xylenes*	3.57	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7	
Total BTEX	6.03	0.300	03/21/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4480	16.0	03/24/2025	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*	128	10.0	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	707	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	93.5	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 7 (2') (H251686-10)

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	03/21/2025	ND	1.84	92.0	2.00	18.7		
Toluene*	<0.050	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7		
Total BTX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	03/24/2025	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	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	62.1	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 7 (3') (H251686-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2025	ND	1.84	92.0	2.00	18.7		
Toluene*	<0.050	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7		
Total BTX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	03/24/2025	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	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	10.0	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 7 (4') (H251686-12)

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	03/21/2025	ND	1.84	92.0	2.00	18.7		
Toluene*	<0.050	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7		
Total BTEx	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	03/24/2025	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	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	<10.0	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 7 (5') (H251686-13)

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	03/21/2025	ND	1.84	92.0	2.00	18.7		
Toluene*	<0.050	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7		
Total BTEx	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5360	16.0	03/24/2025	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	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	<10.0	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 7 (6') (H251686-14)

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	03/21/2025	ND	1.84	92.0	2.00	18.7		
Toluene*	<0.050	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5920	16.0	03/24/2025	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	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	<10.0	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 8 (0-6") (H251686-15)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.578	0.200	03/21/2025	ND	1.84	92.0	2.00	18.7	
Toluene*	23.7	0.200	03/21/2025	ND	1.75	87.5	2.00	23.0	
Ethylbenzene*	39.2	0.200	03/21/2025	ND	1.67	83.5	2.00	28.0	
Total Xylenes*	105	0.600	03/21/2025	ND	4.95	82.6	6.00	27.7	
Total BTEX	169	1.20	03/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 150 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	03/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2460	10.0	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	8480	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	1290	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 419 % 44.4-145

Surrogate: 1-Chlorooctadecane 215 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 8 (1') (H251686-16)

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	03/21/2025	ND	1.84	92.0	2.00	18.7	
Toluene*	0.515	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0	
Ethylbenzene*	1.40	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0	
Total Xylenes*	3.81	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7	
Total BTEX	5.73	0.300	03/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	5360	16.0	03/24/2025	ND	448	112	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	68.1	10.0	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	568	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	87.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 8 (2') (H251686-17)

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	03/21/2025	ND	1.84	92.0	2.00	18.7	
Toluene*	<0.050	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0	
Ethylbenzene*	0.151	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0	
Total Xylenes*	0.412	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7	
Total BTEX	0.563	0.300	03/21/2025	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	5200	16.0	03/24/2025	ND	448	112	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*	18.1	10.0	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	319	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	49.3	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 8 (3') (H251686-18)

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	03/21/2025	ND	1.84	92.0	2.00	18.7		
Toluene*	<0.050	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	8530	16.0	03/24/2025	ND	448	112	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	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	13.3	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 8 (4') (H251686-19)

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	03/21/2025	ND	1.84	92.0	2.00	18.7		
Toluene*	<0.050	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7		
Total BTEx	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	10000	16.0	03/24/2025	ND	448	112	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	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	13.0	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 8 (5') (H251686-20)

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	03/21/2025	ND	1.84	92.0	2.00	18.7		
Toluene*	<0.050	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7		
Total BTEx	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	7330	16.0	03/24/2025	ND	448	112	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	03/22/2025	ND	221	111	200	6.28	
DRO >C10-C28*	<10.0	10.0	03/22/2025	ND	212	106	200	9.74	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 8 (6') (H251686-21)

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	03/21/2025	ND	1.84	92.0	2.00	18.7		
Toluene*	0.133	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7		
Total BTEX	<0.300	0.300	03/21/2025	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	3840	16.0	03/24/2025	ND	448	112	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	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	<10.0	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 9 (0-6") (H251686-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.51	0.500	03/21/2025	ND	1.84	92.0	2.00	18.7	
Toluene*	51.6	0.500	03/21/2025	ND	1.75	87.5	2.00	23.0	
Ethylbenzene*	31.8	0.500	03/21/2025	ND	1.67	83.5	2.00	28.0	
Total Xylenes*	80.6	1.50	03/21/2025	ND	4.95	82.6	6.00	27.7	
Total BTEX	167	3.00	03/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	4800	16.0	03/24/2025	ND	448	112	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2420	10.0	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	7000	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	823	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 192 % 44.4-145

Surrogate: 1-Chlorooctadecane 256 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 9 (1') (H251686-23)

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	03/21/2025	ND	1.84	92.0	2.00	18.7	
Toluene*	1.51	0.050	03/21/2025	ND	1.75	87.5	2.00	23.0	
Ethylbenzene*	1.66	0.050	03/21/2025	ND	1.67	83.5	2.00	28.0	
Total Xylenes*	4.26	0.150	03/21/2025	ND	4.95	82.6	6.00	27.7	
Total BTEx	7.43	0.300	03/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	3360	16.0	03/24/2025	ND	448	112	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*	171	10.0	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	898	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	113	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 9 (2') (H251686-24)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.4	2.00	0.754	QR-03
Toluene*	<0.050	0.050	03/22/2025	ND	2.07	104	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.27	113	2.00	3.10	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.96	116	6.00	3.02	
Total BTX	<0.300	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	5440	16.0	03/24/2025	ND	448	112	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	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	84.5	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 93.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 9 (3') (H251686-25)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.4	2.00	0.754	
Toluene*	0.079	0.050	03/22/2025	ND	2.07	104	2.00	1.79	
Ethylbenzene*	0.147	0.050	03/22/2025	ND	2.27	113	2.00	3.10	
Total Xylenes*	0.883	0.150	03/22/2025	ND	6.96	116	6.00	3.02	
Total BTEX	1.11	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 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	7920	16.0	03/24/2025	ND	448	112	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*	31.0	10.0	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	613	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	89.6	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 9 (4') (H251686-26)

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	03/22/2025	ND	1.95	97.4	2.00	0.754		
Toluene*	<0.050	0.050	03/22/2025	ND	2.07	104	2.00	1.79		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.27	113	2.00	3.10		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.96	116	6.00	3.02		
Total BTEX	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	7680	16.0	03/24/2025	ND	448	112	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	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	29.3	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 9 (5') (H251686-27)

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	03/22/2025	ND	1.95	97.4	2.00	0.754		
Toluene*	0.128	0.050	03/22/2025	ND	2.07	104	2.00	1.79		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.27	113	2.00	3.10		
Total Xylenes*	0.187	0.150	03/22/2025	ND	6.96	116	6.00	3.02		
Total BTEX	0.315	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	12300	16.0	03/24/2025	ND	448	112	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	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	50.5	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 9 (6') (H251686-28)

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	03/22/2025	ND	1.95	97.4	2.00	0.754		
Toluene*	<0.050	0.050	03/22/2025	ND	2.07	104	2.00	1.79		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.27	113	2.00	3.10		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.96	116	6.00	3.02		
Total BTX	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	12500	16.0	03/24/2025	ND	448	112	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	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	<10.0	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 10 (0-6") (H251686-29)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.4	2.00	0.754		
Toluene*	<0.050	0.050	03/22/2025	ND	2.07	104	2.00	1.79		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.27	113	2.00	3.10		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.96	116	6.00	3.02		
Total BTX	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	32.0	16.0	03/24/2025	ND	448	112	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	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	<10.0	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 10 (1') (H251686-30)

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	03/22/2025	ND	1.95	97.4	2.00	0.754		
Toluene*	<0.050	0.050	03/22/2025	ND	2.07	104	2.00	1.79		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.27	113	2.00	3.10		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.96	116	6.00	3.02		
Total BTX	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	03/24/2025	ND	448	112	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	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	<10.0	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	<10.0	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 10 (2') (H251686-31)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.86	0.500	03/22/2025	ND	1.95	97.4	2.00	0.754	
Toluene*	49.2	0.500	03/22/2025	ND	2.07	104	2.00	1.79	
Ethylbenzene*	21.9	0.500	03/22/2025	ND	2.27	113	2.00	3.10	
Total Xylenes*	81.0	1.50	03/22/2025	ND	6.96	116	6.00	3.02	
Total BTEX	159	3.00	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	03/24/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3420	10.0	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	8000	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	915	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 205 % 44.4-145

Surrogate: 1-Chlorooctadecane 270 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 10 (3') (H251686-32)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	9.10	0.500	03/22/2025	ND	1.95	97.4	2.00	0.754	
Toluene*	60.4	0.500	03/22/2025	ND	2.07	104	2.00	1.79	
Ethylbenzene*	26.9	0.500	03/22/2025	ND	2.27	113	2.00	3.10	
Total Xylenes*	101	1.50	03/22/2025	ND	6.96	116	6.00	3.02	
Total BTEX	197	3.00	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	4960	16.0	03/24/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	4160	50.0	03/24/2025	ND	210	105	200	5.78	
DRO >C10-C28*	10400	50.0	03/24/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	1230	50.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 374 % 44.4-145

Surrogate: 1-Chlorooctadecane 205 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 10 (4') (H251686-33)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	9.36	0.500	03/22/2025	ND	1.95	97.4	2.00	0.754	
Toluene*	64.4	0.500	03/22/2025	ND	2.07	104	2.00	1.79	
Ethylbenzene*	28.9	0.500	03/22/2025	ND	2.27	113	2.00	3.10	
Total Xylenes*	107	1.50	03/22/2025	ND	6.96	116	6.00	3.02	
Total BTEX	210	3.00	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 162 % 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	4640	16.0	03/24/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3750	50.0	03/24/2025	ND	210	105	200	5.78	
DRO >C10-C28*	10300	50.0	03/24/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	1230	50.0	03/24/2025	ND					

Surrogate: 1-Chlorooctane 358 % 44.4-145

Surrogate: 1-Chlorooctadecane 191 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 10 (5') (H251686-34)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.37	0.500	03/22/2025	ND	1.95	97.4	2.00	0.754	
Toluene*	14.3	0.500	03/22/2025	ND	2.07	104	2.00	1.79	
Ethylbenzene*	10.3	0.500	03/22/2025	ND	2.27	113	2.00	3.10	
Total Xylenes*	43.6	1.50	03/22/2025	ND	6.96	116	6.00	3.02	
Total BTEX	69.5	3.00	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 145 % 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	8800	16.0	03/24/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1580	10.0	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	8750	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	936	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 190 % 44.4-145

Surrogate: 1-Chlorooctadecane 301 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 10 (6') (H251686-35)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.35	0.200	03/22/2025	ND	1.95	97.4	2.00	0.754	
Toluene*	15.7	0.200	03/22/2025	ND	2.07	104	2.00	1.79	
Ethylbenzene*	8.64	0.200	03/22/2025	ND	2.27	113	2.00	3.10	
Total Xylenes*	34.0	0.600	03/22/2025	ND	6.96	116	6.00	3.02	
Total BTEX	60.6	1.20	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 161 % 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	6480	16.0	03/24/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	969	10.0	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	4060	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	475	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 150 % 44.4-145

Surrogate: 1-Chlorooctadecane 190 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/21/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 10 (7') (H251686-36)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.703	0.050	03/22/2025	ND	1.95	97.4	2.00	0.754	
Toluene*	4.13	0.050	03/22/2025	ND	2.07	104	2.00	1.79	
Ethylbenzene*	2.33	0.050	03/22/2025	ND	2.27	113	2.00	3.10	
Total Xylenes*	9.54	0.150	03/22/2025	ND	6.96	116	6.00	3.02	
Total BTEX	16.7	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: KV				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12800	16.0	03/24/2025	ND	432	108	400	3.64	QM-07

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	313	10.0	03/22/2025	ND	210	105	200	5.78	
DRO >C10-C28*	1130	10.0	03/22/2025	ND	208	104	200	7.56	
EXT DRO >C28-C36	144	10.0	03/22/2025	ND					

Surrogate: 1-Chlorooctane 123 % 44.4-145

Surrogate: 1-Chlorooctadecane 131 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

HA51084

Page 1 of 5

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@carmonaresources.com

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

Project Name:	Big Buck	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2677																	None: NO DI Water: H ₂ O	
Project Location:	Eddy Co, NM	Due Date:	24 HR TAT															Cool: Cool MeOH: Me	
Sampler's Name:	JDC																	HCL: HC HNO ₃ : HN	
PO #:																		H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	#140															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	10.3°C															Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	3.7°C															Zn Acetate+NaOH: Zn	
Total Containers:																		NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
-----------------------	------	------	------	-------	---------------	--------------	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Joe DC</i>	3-21-25 1449	<i>Ashton Thielke</i>	

Chain of Custody

Work Order No: H251084

Page 2 of 43

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@carmonaresources.com

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

Project Name:		Big Buck		Turn Around		ANALYSIS REQUEST												Preservative Codes									
Project Number:		2677		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																							
Project Location		Eddy Co, NM		Due Date: 24 HR TAT																							
Sampler's Name:		JDC																									
PO #:																											
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		N/A		Correction Factor:																					
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		N/A		Temperature Reading:																					
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		N/A		Corrected Temperature:																					
Total Containers:																											
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
BH-7 (0-6")		3/21/2025				X				Grab		1		X													
BH-7 (1")		3/21/2025				X				Grab		1		X													
BH-7 (2")		3/21/2025				X				Grab		1		X													
BH-7 (3")		3/21/2025				X				Grab		1		X													
BH-7 (4")		3/21/2025				X				Grab		1		X													
BH-7 (5")		3/21/2025				X				Grab		1		X													
BH-7 (6")		3/21/2025				X				Grab		1		X													

Comments:

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		3/21/2025 1449					

Chain of Custody

Work Order No:

425110810

Page 3 of 4

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@carmonarresources.com

Work Order Comments	
Program: UST/PST	PRP
State of Project:	Level II
Reporting Level II	Level III
Deliverables: EDD	ADAPT
Other:	

Project Name:		Big Buck		Turn Around		Pres. Code	ANALYSIS REQUEST												PRESERVATIVE CODES								
Project Number:		2677		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> 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:		JDC																	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												Hold						
Received Intact:		Yes		No	Thermometer ID:													NaHSO ₄ : NABIS									
Cooler Custody Seals:		Yes		No	Correction Factor:													Na ₂ S ₂ O ₅ : NaSO ₃									
Sample Custody Seals:		Yes		No	Temperature Reading:													Zn Acetate+NaOH: Zn									
Total Containers:					Corrected Temperature:													NaOH+Ascorbic Acid: SAPC									
Sample Identification		Date		Time		Soil		Water		Grab/Comp	# of Cont													Sample Comments			
BH-8 (0-6")		3/21/2025				X				Grab	1	X	X	X													
BH-8 (1')		3/21/2025				X				Grab	1	X	X	X													
BH-8 (2')		3/21/2025				X				Grab	1	X	X	X													
BH-8 (3')		3/21/2025				X				Grab	1	X	X	X													
BH-8 (4')		3/21/2025				X				Grab	1	X	X	X													
BH-8 (5')		3/21/2025				X				Grab	1	X	X	X													
BH-8 (6')		3/21/2025				X				Grab	1	X	X	X													

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>qdc</i>	3/21/25 1449		

Chain of Custody

Work Order No:

42571084

Page 4 of 4

Project Manager:	Ashion Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@carmonaresources.com

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

Project Name:	Big Buck	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	24 HR TAT							
Project Number:	2677										
Project Location:	Eddy Co. NM										
Sampler's Name:	JDC										
PO #:											
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	BTEX 8021B			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Total Containers:	Corrected Temperature:					TPH 8015M (GRO + DRO + MRO)			
								Chloride 4500			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST			Preservative Codes	
BH-9 (0-6")	3/21/2025		X		Grab	1	X	X	X	None: NO	DI Water: H ₂ O
BH-9 (1')	3/21/2025		X		Grab	1	X	X	X	Cool: Cool	MeOH: Me
BH-9 (2')	3/21/2025		X		Grab	1	X	X	X	HCL: HC	HNO ₃ : HN
BH-9 (3')	3/21/2025		X		Grab	1	X	X	X	H ₂ SO ₄ : H ₂	NaOH: Na
BH-9 (4')	3/21/2025		X		Grab	1	X	X	X	H ₃ PO ₄ : HP	
BH-9 (5')	3/21/2025		X		Grab	1	X	X	X	NaHSO ₄ : NABIS	
BH-9 (6')	3/21/2025		X		Grab	1	X	X	X	Na ₂ S ₂ O ₃ : NaSO ₃	
										Zn Acetate+NaOH: Zn	
										NaOH+Ascorbic Acid: SASC	
Sample Comments											

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>APD</i>	3-21-25 1449	<i>[Signature]</i>	

Chain of Custody

Work Order No:

42511084

Page 5 of 5

Page 43 of 43

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@carmonaresources.com

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

Project Name:	Big Buck	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2677	Due Date:	24 HR TAT														None: NO	DI Water: H ₂ O		
Project Location:	Eddy Co, NM																Cool: Cool	MeOH: Me		
Sampler's Name:	JDC																HCL: HC	HNO ₃ : HN		
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:																Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
BH-10 (0-6")	3/21/2025		X		Grab	1	X	X	X											
BH-10 (1")	3/21/2025		X		Grab	1	X	X	X											
BH-10 (2")	3/21/2025		X		Grab	1	X	X	X											
BH-10 (3")	3/21/2025		X		Grab	1	X	X	X											
BH-10 (4")	3/21/2025		X		Grab	1	X	X	X											
BH-10 (5")	3/21/2025		X		Grab	1	X	X	X											
BH-10 (6")	3/21/2025		X		Grab	1	X	X	X											
BH-10 (7")	3/21/2025		X		Grab	1	X	X	X											

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	3-21-25 1449	<i>[Signature]</i>	



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

March 24, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BIG BUCK

Enclosed are the results of analyses for samples received by the laboratory on 03/18/25 13:42.

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, flowing style.

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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 1 (0-6") (H251601-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/19/2025	ND	218	109	200	2.28	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	208	104	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 2 (0-6") (H251601-02)

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	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTEX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/19/2025	ND	218	109	200	2.28	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	208	104	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 3 (0-6") (H251601-03)

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	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/19/2025	ND	218	109	200	2.28	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	208	104	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 87.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 4 (0-6") (H251601-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/19/2025	ND	218	109	200	2.28	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	208	104	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 5 (0-6") (H251601-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	218	109	200	2.28	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 6 (0-6") (H251601-06)

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	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	218	109	200	2.28	
DRO >C10-C28*	10.4	10.0	03/20/2025	ND	208	104	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 7 (0-6") (H251601-07)

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	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	218	109	200	2.28	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 8 (0-6") (H251601-08)

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	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	218	109	200	2.28	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 9 (0-6") (H251601-09)

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	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	218	109	200	2.28	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 10 (0-6") (H251601-10)

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	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	218	109	200	2.28	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 11 (0-6") (H251601-11)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	218	109	200	2.28	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.999	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 91.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 12 (0-6") (H251601-12)

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	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	221	110	200	2.42	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 99.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 13 (0-6") (H251601-13)

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	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	221	110	200	2.42	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 14 (0-6") (H251601-14)

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	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	221	110	200	2.42	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 15 (0-6") (H251601-15)

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	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	1.70	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTEX	1.70	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	221	110	200	2.42	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 16 (0-6") (H251601-16)

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	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	0.145	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTEX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	221	110	200	2.42	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 17 (0-6") (H251601-17)

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	03/20/2025	ND	1.91	95.7	2.00	0.0554	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	1.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.11	105	2.00	3.09	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	3.29	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	221	110	200	2.42	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 18 (0-6") (H251601-18)

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	03/20/2025	ND	1.96	97.9	2.00	1.56		
Toluene*	<0.050	0.050	03/20/2025	ND	2.07	104	2.00	0.589		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.03	102	2.00	0.122		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.04	101	6.00	0.327		
Total BTEx	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	221	110	200	2.42	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 19 (0-6") (H251601-19)

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	03/20/2025	ND	1.96	97.9	2.00	1.56		
Toluene*	<0.050	0.050	03/20/2025	ND	2.07	104	2.00	0.589		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.03	102	2.00	0.122		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.04	101	6.00	0.327		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/19/2025	ND	400	100	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	03/20/2025	ND	221	110	200	2.42	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 03/18/2025
 Reported: 03/24/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 03/18/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 20 (0-6") (H251601-20)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	1.96	97.9	2.00	1.56		
Toluene*	<0.050	0.050	03/20/2025	ND	2.07	104	2.00	0.589		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.03	102	2.00	0.122		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.04	101	6.00	0.327		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/20/2025	ND	221	110	200	2.42	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	208	104	200	0.590	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 12516001

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.lugo@coterra.com & nathaniel.rose@coterra.com

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

Project Name:	Big Buck	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2677																	None: NO	DI Water: H ₂ O
Project Location:	Eddy Co, NM	Due Date:	Normal															Cool: Cool	MeOH: Me
Sampler's Name:	RP/JDC																	HCL: HC	HNO ₃ : HN
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>														H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:																Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
H-1 (0-6")	3/18/2025		X		Grab	1	BTX 8021B												
H-2 (0-6")	3/18/2025		X		Grab	1	TPH 8015M (GRO + DRO + MRO)												
H-3 (0-6")	3/18/2025		X		Grab	1	Chloride 4500												
H-4 (0-6")	3/18/2025		X		Grab	1													
H-5 (0-6")	3/18/2025		X		Grab	1													
H-6 (0-6")	3/18/2025		X		Grab	1													
H-7 (0-6")	3/18/2025		X		Grab	1													
H-8 (0-6")	3/18/2025		X		Grab	1													
H-9 (0-6")	3/18/2025		X		Grab	1													
H-10 (0-6")	3/18/2025		X		Grab	1													

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Joel Del Puerto</u>	<u>3/18/25 1340</u>	<u>Shadrach</u>	

Chain of Custody

Work Order No: H251601

Project Manager:	Ashton Thielke	Bill to: (if different)	Camrona
Company Name:	Camrona Resources	Company Name:	Camrona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@camronaresources.com

Program: <input type="checkbox"/> UST/PT <input checked="" type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> JRC <input type="checkbox"/> Jperfund State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> PRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Big Buck	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Due Date:	Normal	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2677																		None: NO DI Water: H ₂ O		
Project Location:	Eddy Co, NM																		Cool: Cool MeOH: Me		
Sampler's Name:	RP/JDC																		HCL: HC HNO ₃ : HN		
PO #:																			H ₂ SO ₄ : H ₂ NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140																NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	10.3																Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	11.1																Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:	11.4																NaOH+Ascorbic Acid: SAPC		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
H-11 (0-6")		3/18/2025		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	11		
H-12 (0-6")		3/18/2025		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	12		
H-13 (0-6")		3/18/2025		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	13		
H-14 (0-6")		3/18/2025		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	14		
H-15 (0-6")		3/18/2025		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	15		
H-16 (0-6")		3/18/2025		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	16		
H-17 (0-6")		3/18/2025		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	17		
H-18 (0-6")		3/18/2025		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	18		
H-19 (0-6")		3/18/2025		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	19		
H-20 (0-6")		3/18/2025		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	20		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Joe Del Corno</u>	<u>3/18/25 1342</u>	<u>Stoddard</u>	



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

October 01, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BIG BUCK

Enclosed are the results of analyses for samples received by the laboratory on 09/26/25 15:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BACKFILL (H256065-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2025	ND	2.03	101	2.00	3.56	
Toluene*	<0.050	0.050	09/29/2025	ND	2.04	102	2.00	3.63	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	2.00	100	2.00	4.41	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.96	99.3	6.00	4.44	
Total BTX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	208	104	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	220	110	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.3 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

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

Celey D. Keene, Lab Director/Quality Manager

Work Order No: 455005

Work Order Comments	
Program: UST/ST <input type="checkbox"/> RP <input type="checkbox"/> brownfields <input type="checkbox"/> IRC <input type="checkbox"/> <input type="checkbox"/> pfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

[illegible]



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/25/2025 12:17:50 PM

JOB DESCRIPTION

BIG BUCK
2677

JOB NUMBER

890-8838-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
9/25/2025 12:17:50 PM

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

Client: Carmona Resources
Project/Site: BIG BUCK

Laboratory Job ID: 890-8838-1
SDG: 2677

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	18
QC Sample Results	20
QC Association Summary	24
Lab Chronicle	28
Certification Summary	33
Method Summary	34
Sample Summary	35
Chain of Custody	36
Receipt Checklists	38

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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: BIG BUCK

Job ID: 890-8838-1

Job ID: 890-8838-1**Eurofins Carlsbad**

Job Narrative
890-8838-1

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

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

Receipt

The samples were received on 9/23/2025 8:18 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1 (4.5') (890-8838-1), CS - 2 (4.5') (890-8838-2), CS - 3 (4.5') (890-8838-3), CS - 4 (4.5') (890-8838-4), CS - 5 (4.5') (890-8838-5), CS - 6 (4.5') (890-8838-6), CS - 7 (4.5') (890-8838-7), CS - 8 (4.5') (890-8838-8), CS - 9 (4.5') (890-8838-9), CS - 10 (4.5') (890-8838-10), CS - 11 (4.5') (890-8838-11), CS - 12 (4.5') (890-8838-12), CS - 13 (4.5') (890-8838-13), CS - 14 (4.5') (890-8838-14) and CS - 15 (4.5') (890-8838-15).

The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1 (4.5') (890-8838-1), CS - 2 (4.5') (890-8838-2), CS - 3 (4.5') (890-8838-3), CS - 4 (4.5') (890-8838-4), CS - 5 (4.5') (890-8838-5), CS - 6 (4.5') (890-8838-6), CS - 7 (4.5') (890-8838-7), CS - 8 (4.5') (890-8838-8), CS - 9 (4.5') (890-8838-9), CS - 10 (4.5') (890-8838-10), CS - 11 (4.5') (890-8838-11), CS - 12 (4.5') (890-8838-12), CS - 13 (4.5') (890-8838-13), CS - 14 (4.5') (890-8838-14) and CS - 15 (4.5') (890-8838-15).

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: The laboratory control sample (LCS) associated with preparation batch 880-119658 and analytical batch 880-119654 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-119658/2-A) and (LCSD 880-119658/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 1 (4.5')

Lab Sample ID: 890-8838-1

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 12:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/24/25 08:59	09/24/25 12:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/24/25 08:59	09/24/25 12:11	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		09/24/25 08:59	09/24/25 12:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/24/25 08:59	09/24/25 12:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/24/25 08:59	09/24/25 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	09/24/25 08:59	09/24/25 12:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130	09/24/25 08:59	09/24/25 12:11	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			09/24/25 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/25/25 02:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/24/25 10:25	09/25/25 02:26	1
Diesel Range Organics (Over C10-C28)	<49.6	U **	49.6		mg/Kg		09/24/25 10:25	09/25/25 02:26	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/24/25 10:25	09/25/25 02:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130	09/24/25 10:25	09/25/25 02:26	1
o-Terphenyl (Surr)	116		70 - 130	09/24/25 10:25	09/25/25 02:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	351		9.96		mg/Kg			09/24/25 16:14	1

Client Sample ID: CS - 2 (4.5')

Lab Sample ID: 890-8838-2

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 12:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:59	09/24/25 12:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:59	09/24/25 12:31	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		09/24/25 08:59	09/24/25 12:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:59	09/24/25 12:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 08:59	09/24/25 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	09/24/25 08:59	09/24/25 12:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/24/25 08:59	09/24/25 12:31	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 2 (4.5')

Lab Sample ID: 890-8838-2

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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			09/24/25 12:31	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			09/25/25 03:08	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		09/24/25 10:25	09/25/25 03:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		09/24/25 10:25	09/25/25 03:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:25	09/25/25 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130				09/24/25 10:25	09/25/25 03:08	1
o-Terphenyl (Surr)	115		70 - 130				09/24/25 10:25	09/25/25 03:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3610		49.6		mg/Kg			09/24/25 16:31	5

Client Sample ID: CS - 3 (4.5')

Lab Sample ID: 890-8838-3

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 12:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 12:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 12:52	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		09/24/25 08:59	09/24/25 12:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 12:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/25 08:59	09/24/25 12:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				09/24/25 08:59	09/24/25 12:52	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/24/25 08:59	09/24/25 12:52	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			09/24/25 12:52	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			09/25/25 03:22	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		09/24/25 10:25	09/25/25 03:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		09/24/25 10:25	09/25/25 03:22	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 3 (4.5')

Date Collected: 09/22/25 00:00

Date Received: 09/23/25 08:18

Lab Sample ID: 890-8838-3

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)	<49.8	U	49.8		mg/Kg		09/24/25 10:25	09/25/25 03:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130				09/24/25 10:25	09/25/25 03:22	1
o-Terphenyl (Surr)	110		70 - 130				09/24/25 10:25	09/25/25 03:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3210		49.8		mg/Kg			09/24/25 16:37	5

Client Sample ID: CS - 4 (4.5')

Date Collected: 09/22/25 00:00

Date Received: 09/23/25 08:18

Lab Sample ID: 890-8838-4

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		09/24/25 08:59	09/24/25 13:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/24/25 08:59	09/24/25 13:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/24/25 08:59	09/24/25 13:12	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		09/24/25 08:59	09/24/25 13:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/24/25 08:59	09/24/25 13:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/24/25 08:59	09/24/25 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				09/24/25 08:59	09/24/25 13:12	1
1,4-Difluorobenzene (Surr)	99		70 - 130				09/24/25 08:59	09/24/25 13:12	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			09/24/25 13:12	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			09/25/25 03:36	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		09/24/25 10:25	09/25/25 03:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		09/24/25 10:25	09/25/25 03:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:25	09/25/25 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				09/24/25 10:25	09/25/25 03:36	1
o-Terphenyl (Surr)	114		70 - 130				09/24/25 10:25	09/25/25 03:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2580		49.9		mg/Kg			09/24/25 16:43	5

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 5 (4.5')

Lab Sample ID: 890-8838-5

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 13:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/24/25 08:59	09/24/25 13:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/24/25 08:59	09/24/25 13:33	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		09/24/25 08:59	09/24/25 13:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/24/25 08:59	09/24/25 13:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/24/25 08:59	09/24/25 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	09/24/25 08:59	09/24/25 13:33	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/24/25 08:59	09/24/25 13:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/24/25 13:33	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			09/25/25 03:50	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		09/24/25 10:25	09/25/25 03:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		09/24/25 10:25	09/25/25 03:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:25	09/25/25 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	09/24/25 10:25	09/25/25 03:50	1
o-Terphenyl (Surr)	108		70 - 130	09/24/25 10:25	09/25/25 03:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5430		49.7		mg/Kg			09/24/25 16:49	5

Client Sample ID: CS - 6 (4.5')

Lab Sample ID: 890-8838-6

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 13:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/24/25 08:59	09/24/25 13:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/24/25 08:59	09/24/25 13:53	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		09/24/25 08:59	09/24/25 13:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/24/25 08:59	09/24/25 13:53	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/24/25 08:59	09/24/25 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	09/24/25 08:59	09/24/25 13:53	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/24/25 08:59	09/24/25 13:53	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 6 (4.5')

Lab Sample ID: 890-8838-6

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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			09/24/25 13:53	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			09/25/25 04:05	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	<50.0	U	50.0		mg/Kg		09/24/25 10:25	09/25/25 04:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		09/24/25 10:25	09/25/25 04:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:25	09/25/25 04:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				09/24/25 10:25	09/25/25 04:05	1
o-Terphenyl (Surr)	117		70 - 130				09/24/25 10:25	09/25/25 04:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	973		9.92		mg/Kg			09/24/25 17:07	1

Client Sample ID: CS - 7 (4.5')

Lab Sample ID: 890-8838-7

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 14:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/24/25 08:59	09/24/25 14:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/24/25 08:59	09/24/25 14:14	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		09/24/25 08:59	09/24/25 14:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/24/25 08:59	09/24/25 14:14	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/24/25 08:59	09/24/25 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				09/24/25 08:59	09/24/25 14:14	1
1,4-Difluorobenzene (Surr)	94		70 - 130				09/24/25 08:59	09/24/25 14:14	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			09/24/25 14:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/25/25 04:18	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		09/24/25 10:25	09/25/25 04:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		09/24/25 10:25	09/25/25 04:18	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 7 (4.5')

Lab Sample ID: 890-8838-7

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 10:25	09/25/25 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130				09/24/25 10:25	09/25/25 04:18	1
o-Terphenyl (Surr)	107		70 - 130				09/24/25 10:25	09/25/25 04:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7690		99.0		mg/Kg			09/24/25 17:13	10

Client Sample ID: CS - 8 (4.5')

Lab Sample ID: 890-8838-8

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 18:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:59	09/24/25 18:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:59	09/24/25 18:32	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		09/24/25 08:59	09/24/25 18:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:59	09/24/25 18:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 08:59	09/24/25 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				09/24/25 08:59	09/24/25 18:32	1
1,4-Difluorobenzene (Surr)	98		70 - 130				09/24/25 08:59	09/24/25 18:32	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			09/24/25 18:32	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			09/25/25 04:33	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	<49.9	U	49.9		mg/Kg		09/24/25 10:25	09/25/25 04:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		09/24/25 10:25	09/25/25 04:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:25	09/25/25 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				09/24/25 10:25	09/25/25 04:33	1
o-Terphenyl (Surr)	115		70 - 130				09/24/25 10:25	09/25/25 04:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2650		49.9		mg/Kg			09/24/25 17:37	5

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 9 (4.5')

Lab Sample ID: 890-8838-9

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 18:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 18:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 18:52	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		09/24/25 08:59	09/24/25 18:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 18:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/25 08:59	09/24/25 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	09/24/25 08:59	09/24/25 18:52	1
1,4-Difluorobenzene (Surr)	98		70 - 130	09/24/25 08:59	09/24/25 18:52	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			09/24/25 18:52	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			09/25/25 04:47	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	<50.0	U	50.0		mg/Kg		09/24/25 10:25	09/25/25 04:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		09/24/25 10:25	09/25/25 04:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:25	09/25/25 04:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130	09/24/25 10:25	09/25/25 04:47	1
o-Terphenyl (Surr)	108		70 - 130	09/24/25 10:25	09/25/25 04:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3370		49.7		mg/Kg			09/24/25 17:43	5

Client Sample ID: CS - 10 (4.5')

Lab Sample ID: 890-8838-10

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 19:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 19:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 19:13	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/24/25 08:59	09/24/25 19:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 19:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/24/25 08:59	09/24/25 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	09/24/25 08:59	09/24/25 19:13	1
1,4-Difluorobenzene (Surr)	98		70 - 130	09/24/25 08:59	09/24/25 19:13	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 10 (4.5')

Lab Sample ID: 890-8838-10

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/24/25 19:13	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			09/25/25 05:01	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		09/24/25 10:25	09/25/25 05:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		09/24/25 10:25	09/25/25 05:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:25	09/25/25 05:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130				09/24/25 10:25	09/25/25 05:01	1
o-Terphenyl (Surr)	112		70 - 130				09/24/25 10:25	09/25/25 05:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2720		49.6		mg/Kg			09/24/25 17:49	5

Client Sample ID: CS - 11 (4.5')

Lab Sample ID: 890-8838-11

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 16:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:59	09/24/25 16:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:59	09/24/25 16:49	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		09/24/25 08:59	09/24/25 16:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:59	09/24/25 16:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 08:59	09/24/25 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				09/24/25 08:59	09/24/25 16:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130				09/24/25 08:59	09/24/25 16:49	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			09/24/25 16:49	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			09/25/25 05:30	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		09/24/25 10:25	09/25/25 05:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		09/24/25 10:25	09/25/25 05:30	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 11 (4.5')

Lab Sample ID: 890-8838-11

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 10:25	09/25/25 05:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130				09/24/25 10:25	09/25/25 05:30	1
o-Terphenyl (Surr)	117		70 - 130				09/24/25 10:25	09/25/25 05:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2600		49.8		mg/Kg			09/24/25 17:54	5

Client Sample ID: CS - 12 (4.5')

Lab Sample ID: 890-8838-12

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 17:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 17:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 17:10	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		09/24/25 08:59	09/24/25 17:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 17:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/25 08:59	09/24/25 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/24/25 08:59	09/24/25 17:10	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/24/25 08:59	09/24/25 17:10	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			09/24/25 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	94.0		50.0		mg/Kg			09/25/25 05:44	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		09/24/25 10:25	09/25/25 05:44	1
Diesel Range Organics (Over C10-C28)	94.0	*+	50.0		mg/Kg		09/24/25 10:25	09/25/25 05:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:25	09/25/25 05:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				09/24/25 10:25	09/25/25 05:44	1
o-Terphenyl (Surr)	118		70 - 130				09/24/25 10:25	09/25/25 05:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5400		49.6		mg/Kg			09/24/25 18:12	5

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 13 (4.5')

Lab Sample ID: 890-8838-13

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 17:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/24/25 08:59	09/24/25 17:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/24/25 08:59	09/24/25 17:30	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		09/24/25 08:59	09/24/25 17:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/24/25 08:59	09/24/25 17:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/24/25 08:59	09/24/25 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	09/24/25 08:59	09/24/25 17:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/24/25 08:59	09/24/25 17:30	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			09/24/25 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/25/25 05:58	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	<49.9	U	49.9		mg/Kg		09/24/25 10:25	09/25/25 05:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		09/24/25 10:25	09/25/25 05:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:25	09/25/25 05:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130	09/24/25 10:25	09/25/25 05:58	1
o-Terphenyl (Surr)	113		70 - 130	09/24/25 10:25	09/25/25 05:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	840		10.1		mg/Kg			09/24/25 18:18	1

Client Sample ID: CS - 14 (4.5')

Lab Sample ID: 890-8838-14

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 17:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:59	09/24/25 17:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:59	09/24/25 17:51	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		09/24/25 08:59	09/24/25 17:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:59	09/24/25 17:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 08:59	09/24/25 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	09/24/25 08:59	09/24/25 17:51	1
1,4-Difluorobenzene (Surr)	98		70 - 130	09/24/25 08:59	09/24/25 17:51	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 14 (4.5')

Lab Sample ID: 890-8838-14

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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			09/24/25 17:51	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			09/25/25 06:12	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		09/24/25 10:25	09/25/25 06:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		09/24/25 10:25	09/25/25 06:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:25	09/25/25 06:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130				09/24/25 10:25	09/25/25 06:12	1
o-Terphenyl (Surr)	118		70 - 130				09/24/25 10:25	09/25/25 06:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	684		10.0		mg/Kg			09/24/25 18:36	1

Client Sample ID: CS - 15 (4.5')

Lab Sample ID: 890-8838-15

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 08:59	09/24/25 18:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/24/25 08:59	09/24/25 18:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/24/25 08:59	09/24/25 18:11	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		09/24/25 08:59	09/24/25 18:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/24/25 08:59	09/24/25 18:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/24/25 08:59	09/24/25 18:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				09/24/25 08:59	09/24/25 18:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130				09/24/25 08:59	09/24/25 18:11	1

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			09/24/25 18:11	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			09/25/25 06:26	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		09/24/25 10:25	09/25/25 06:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		09/24/25 10:25	09/25/25 06:26	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 15 (4.5')

Lab Sample ID: 890-8838-15

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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		09/24/25 10:25	09/25/25 06:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130	09/24/25 10:25	09/25/25 06:26	1
o-Terphenyl (Surr)	117		70 - 130	09/24/25 10:25	09/25/25 06:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	810		10.1		mg/Kg			09/24/25 18:41	1

Surrogate Summary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

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)
890-8838-1	CS - 1 (4.5')	102	98
890-8838-1 MS	CS - 1 (4.5')	106	102
890-8838-1 MSD	CS - 1 (4.5')	106	102
890-8838-2	CS - 2 (4.5')	94	97
890-8838-3	CS - 3 (4.5')	102	100
890-8838-4	CS - 4 (4.5')	102	99
890-8838-5	CS - 5 (4.5')	104	97
890-8838-6	CS - 6 (4.5')	102	100
890-8838-7	CS - 7 (4.5')	103	94
890-8838-8	CS - 8 (4.5')	102	98
890-8838-9	CS - 9 (4.5')	98	98
890-8838-10	CS - 10 (4.5')	109	98
890-8838-11	CS - 11 (4.5')	99	97
890-8838-12	CS - 12 (4.5')	104	100
890-8838-13	CS - 13 (4.5')	100	97
890-8838-14	CS - 14 (4.5')	102	98
890-8838-15	CS - 15 (4.5')	101	96
LCS 880-119635/1-A	Lab Control Sample	110	95
LCSD 880-119635/2-A	Lab Control Sample Dup	108	97
MB 880-119635/5-A	Method Blank	89	103

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)
890-8838-1	CS - 1 (4.5')	102	116
890-8838-1 MS	CS - 1 (4.5')	111	117
890-8838-1 MSD	CS - 1 (4.5')	109	115
890-8838-2	CS - 2 (4.5')	100	115
890-8838-3	CS - 3 (4.5')	97	110
890-8838-4	CS - 4 (4.5')	101	114
890-8838-5	CS - 5 (4.5')	94	108
890-8838-6	CS - 6 (4.5')	101	117
890-8838-7	CS - 7 (4.5')	94	107
890-8838-8	CS - 8 (4.5')	101	115
890-8838-9	CS - 9 (4.5')	95	108
890-8838-10	CS - 10 (4.5')	98	112
890-8838-11	CS - 11 (4.5')	102	117
890-8838-12	CS - 12 (4.5')	101	118
890-8838-13	CS - 13 (4.5')	100	113
890-8838-14	CS - 14 (4.5')	103	118
890-8838-15	CS - 15 (4.5')	102	117
LCS 880-119658/2-A	Lab Control Sample	136 S1+	147 S1+
LCSD 880-119658/3-A	Lab Control Sample Dup	142 S1+	153 S1+

Eurofins Carlsbad

Surrogate Summary

Client: Carmona Resources

Job ID: 890-8838-1

Project/Site: BIG BUCK

SDG: 2677

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)
MB 880-119658/1-A	Method Blank	101	114
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-119635/5-A

Matrix: Solid

Analysis Batch: 119632

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 11:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/24/25 08:59	09/24/25 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/24/25 08:59	09/24/25 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	09/24/25 08:59	09/24/25 11:49	1
1,4-Difluorobenzene (Surr)	103		70 - 130	09/24/25 08:59	09/24/25 11:49	1

Lab Sample ID: LCS 880-119635/1-A

Matrix: Solid

Analysis Batch: 119632

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119635

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09868		mg/Kg		99	70 - 130
Toluene	0.100	0.09497		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09532		mg/Kg		95	70 - 130
m,p-Xylenes	0.200	0.1891		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09696		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-119635/2-A

Matrix: Solid

Analysis Batch: 119632

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119635

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1023		mg/Kg		102	70 - 130	4	35
Toluene	0.100	0.09618		mg/Kg		96	70 - 130	1	35
Ethylbenzene	0.100	0.09478		mg/Kg		95	70 - 130	1	35
m,p-Xylenes	0.200	0.1879		mg/Kg		94	70 - 130	1	35
o-Xylene	0.100	0.09642		mg/Kg		96	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-8838-1 MS

Matrix: Solid

Analysis Batch: 119632

Client Sample ID: CS - 1 (4.5')

Prep Type: Total/NA

Prep Batch: 119635

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1048		mg/Kg		105	70 - 130
Toluene	<0.00201	U	0.100	0.09827		mg/Kg		98	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

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

Lab Sample ID: 890-8838-1 MS

Matrix: Solid

Analysis Batch: 119632

Client Sample ID: CS - 1 (4.5')

Prep Type: Total/NA

Prep Batch: 119635

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1047		mg/Kg		105	70 - 130
m,p-Xylenes	<0.00402	U	0.200	0.2029		mg/Kg		101	70 - 130
o-Xylene	<0.00201	U	0.100	0.1021		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-8838-1 MSD

Matrix: Solid

Analysis Batch: 119632

Client Sample ID: CS - 1 (4.5')

Prep Type: Total/NA

Prep Batch: 119635

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09630		mg/Kg		96	70 - 130	8	35
Toluene	<0.00201	U	0.100	0.09438		mg/Kg		94	70 - 130	4	35
Ethylbenzene	<0.00201	U	0.100	0.1006		mg/Kg		101	70 - 130	4	35
m,p-Xylenes	<0.00402	U	0.200	0.1960		mg/Kg		98	70 - 130	3	35
o-Xylene	<0.00201	U	0.100	0.09826		mg/Kg		98	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-119658/1-A

Matrix: Solid

Analysis Batch: 119654

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119658

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		09/24/25 10:25	09/25/25 01:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:25	09/25/25 01:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:25	09/25/25 01:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	09/24/25 10:25	09/25/25 01:44	1
o-Terphenyl (Surr)	114		70 - 130	09/24/25 10:25	09/25/25 01:44	1

Lab Sample ID: LCS 880-119658/2-A

Matrix: Solid

Analysis Batch: 119654

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119658

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1122		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1258		mg/Kg		126	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

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

Lab Sample ID: LCS 880-119658/2-A

Matrix: Solid

Analysis Batch: 119654

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119658

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	136	S1+	70 - 130
o-Terphenyl (Surr)	147	S1+	70 - 130

Lab Sample ID: LCSD 880-119658/3-A

Matrix: Solid

Analysis Batch: 119654

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119658

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1166		mg/Kg		117	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1309	*+	mg/Kg		131	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	142	S1+	70 - 130
o-Terphenyl (Surr)	153	S1+	70 - 130

Lab Sample ID: 890-8838-1 MS

Matrix: Solid

Analysis Batch: 119654

Client Sample ID: CS - 1 (4.5')

Prep Type: Total/NA

Prep Batch: 119658

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	898.8		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U *+	1000	997.6		mg/Kg		100	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	111		70 - 130
o-Terphenyl (Surr)	117		70 - 130

Lab Sample ID: 890-8838-1 MSD

Matrix: Solid

Analysis Batch: 119654

Client Sample ID: CS - 1 (4.5')

Prep Type: Total/NA

Prep Batch: 119658

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	<49.6	U	1000	896.7		mg/Kg		90	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.6	U *+	1000	979.1		mg/Kg		98	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	109		70 - 130
o-Terphenyl (Surr)	115		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-119607/1-A

Matrix: Solid

Analysis Batch: 119696

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			09/24/25 15:56	1

Lab Sample ID: LCS 880-119607/2-A

Matrix: Solid

Analysis Batch: 119696

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.1		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-119607/3-A

Matrix: Solid

Analysis Batch: 119696

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	255.3		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-8838-1 MS

Matrix: Solid

Analysis Batch: 119696

Client Sample ID: CS - 1 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	351		249	586.6		mg/Kg		95	90 - 110

Lab Sample ID: 890-8838-1 MSD

Matrix: Solid

Analysis Batch: 119696

Client Sample ID: CS - 1 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	351		249	582.9		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 890-8838-11 MS

Matrix: Solid

Analysis Batch: 119696

Client Sample ID: CS - 11 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2600		1250	3905		mg/Kg		104	90 - 110

Lab Sample ID: 890-8838-11 MSD

Matrix: Solid

Analysis Batch: 119696

Client Sample ID: CS - 11 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2600		1250	3907		mg/Kg		105	90 - 110	0	20

Eurofins Carlsbad

QC Association Summary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

GC VOA

Analysis Batch: 119632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8838-1	CS - 1 (4.5')	Total/NA	Solid	8021B	119635
890-8838-2	CS - 2 (4.5')	Total/NA	Solid	8021B	119635
890-8838-3	CS - 3 (4.5')	Total/NA	Solid	8021B	119635
890-8838-4	CS - 4 (4.5')	Total/NA	Solid	8021B	119635
890-8838-5	CS - 5 (4.5')	Total/NA	Solid	8021B	119635
890-8838-6	CS - 6 (4.5')	Total/NA	Solid	8021B	119635
890-8838-7	CS - 7 (4.5')	Total/NA	Solid	8021B	119635
890-8838-8	CS - 8 (4.5')	Total/NA	Solid	8021B	119635
890-8838-9	CS - 9 (4.5')	Total/NA	Solid	8021B	119635
890-8838-10	CS - 10 (4.5')	Total/NA	Solid	8021B	119635
890-8838-11	CS - 11 (4.5')	Total/NA	Solid	8021B	119635
890-8838-12	CS - 12 (4.5')	Total/NA	Solid	8021B	119635
890-8838-13	CS - 13 (4.5')	Total/NA	Solid	8021B	119635
890-8838-14	CS - 14 (4.5')	Total/NA	Solid	8021B	119635
890-8838-15	CS - 15 (4.5')	Total/NA	Solid	8021B	119635
MB 880-119635/5-A	Method Blank	Total/NA	Solid	8021B	119635
LCS 880-119635/1-A	Lab Control Sample	Total/NA	Solid	8021B	119635
LCSD 880-119635/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119635
890-8838-1 MS	CS - 1 (4.5')	Total/NA	Solid	8021B	119635
890-8838-1 MSD	CS - 1 (4.5')	Total/NA	Solid	8021B	119635

Prep Batch: 119635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8838-1	CS - 1 (4.5')	Total/NA	Solid	5035	
890-8838-2	CS - 2 (4.5')	Total/NA	Solid	5035	
890-8838-3	CS - 3 (4.5')	Total/NA	Solid	5035	
890-8838-4	CS - 4 (4.5')	Total/NA	Solid	5035	
890-8838-5	CS - 5 (4.5')	Total/NA	Solid	5035	
890-8838-6	CS - 6 (4.5')	Total/NA	Solid	5035	
890-8838-7	CS - 7 (4.5')	Total/NA	Solid	5035	
890-8838-8	CS - 8 (4.5')	Total/NA	Solid	5035	
890-8838-9	CS - 9 (4.5')	Total/NA	Solid	5035	
890-8838-10	CS - 10 (4.5')	Total/NA	Solid	5035	
890-8838-11	CS - 11 (4.5')	Total/NA	Solid	5035	
890-8838-12	CS - 12 (4.5')	Total/NA	Solid	5035	
890-8838-13	CS - 13 (4.5')	Total/NA	Solid	5035	
890-8838-14	CS - 14 (4.5')	Total/NA	Solid	5035	
890-8838-15	CS - 15 (4.5')	Total/NA	Solid	5035	
MB 880-119635/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119635/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119635/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8838-1 MS	CS - 1 (4.5')	Total/NA	Solid	5035	
890-8838-1 MSD	CS - 1 (4.5')	Total/NA	Solid	5035	

Analysis Batch: 119704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8838-1	CS - 1 (4.5')	Total/NA	Solid	Total BTEX	
890-8838-2	CS - 2 (4.5')	Total/NA	Solid	Total BTEX	
890-8838-3	CS - 3 (4.5')	Total/NA	Solid	Total BTEX	
890-8838-4	CS - 4 (4.5')	Total/NA	Solid	Total BTEX	
890-8838-5	CS - 5 (4.5')	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

GC VOA (Continued)

Analysis Batch: 119704 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8838-6	CS - 6 (4.5')	Total/NA	Solid	Total BTEX	
890-8838-7	CS - 7 (4.5')	Total/NA	Solid	Total BTEX	
890-8838-8	CS - 8 (4.5')	Total/NA	Solid	Total BTEX	
890-8838-9	CS - 9 (4.5')	Total/NA	Solid	Total BTEX	
890-8838-10	CS - 10 (4.5')	Total/NA	Solid	Total BTEX	
890-8838-11	CS - 11 (4.5')	Total/NA	Solid	Total BTEX	
890-8838-12	CS - 12 (4.5')	Total/NA	Solid	Total BTEX	
890-8838-13	CS - 13 (4.5')	Total/NA	Solid	Total BTEX	
890-8838-14	CS - 14 (4.5')	Total/NA	Solid	Total BTEX	
890-8838-15	CS - 15 (4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 119654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8838-1	CS - 1 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-2	CS - 2 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-3	CS - 3 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-4	CS - 4 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-5	CS - 5 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-6	CS - 6 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-7	CS - 7 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-8	CS - 8 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-9	CS - 9 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-10	CS - 10 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-11	CS - 11 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-12	CS - 12 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-13	CS - 13 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-14	CS - 14 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-15	CS - 15 (4.5')	Total/NA	Solid	8015B NM	119658
MB 880-119658/1-A	Method Blank	Total/NA	Solid	8015B NM	119658
LCS 880-119658/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119658
LCSD 880-119658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119658
890-8838-1 MS	CS - 1 (4.5')	Total/NA	Solid	8015B NM	119658
890-8838-1 MSD	CS - 1 (4.5')	Total/NA	Solid	8015B NM	119658

Prep Batch: 119658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8838-1	CS - 1 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-2	CS - 2 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-3	CS - 3 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-4	CS - 4 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-5	CS - 5 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-6	CS - 6 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-7	CS - 7 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-8	CS - 8 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-9	CS - 9 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-10	CS - 10 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-11	CS - 11 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-12	CS - 12 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-13	CS - 13 (4.5')	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

GC Semi VOA (Continued)

Prep Batch: 119658 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8838-14	CS - 14 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-15	CS - 15 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-119658/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119658/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8838-1 MS	CS - 1 (4.5')	Total/NA	Solid	8015NM Prep	
890-8838-1 MSD	CS - 1 (4.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 119732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8838-1	CS - 1 (4.5')	Total/NA	Solid	8015 NM	
890-8838-2	CS - 2 (4.5')	Total/NA	Solid	8015 NM	
890-8838-3	CS - 3 (4.5')	Total/NA	Solid	8015 NM	
890-8838-4	CS - 4 (4.5')	Total/NA	Solid	8015 NM	
890-8838-5	CS - 5 (4.5')	Total/NA	Solid	8015 NM	
890-8838-6	CS - 6 (4.5')	Total/NA	Solid	8015 NM	
890-8838-7	CS - 7 (4.5')	Total/NA	Solid	8015 NM	
890-8838-8	CS - 8 (4.5')	Total/NA	Solid	8015 NM	
890-8838-9	CS - 9 (4.5')	Total/NA	Solid	8015 NM	
890-8838-10	CS - 10 (4.5')	Total/NA	Solid	8015 NM	
890-8838-11	CS - 11 (4.5')	Total/NA	Solid	8015 NM	
890-8838-12	CS - 12 (4.5')	Total/NA	Solid	8015 NM	
890-8838-13	CS - 13 (4.5')	Total/NA	Solid	8015 NM	
890-8838-14	CS - 14 (4.5')	Total/NA	Solid	8015 NM	
890-8838-15	CS - 15 (4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 119607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8838-1	CS - 1 (4.5')	Soluble	Solid	DI Leach	
890-8838-2	CS - 2 (4.5')	Soluble	Solid	DI Leach	
890-8838-3	CS - 3 (4.5')	Soluble	Solid	DI Leach	
890-8838-4	CS - 4 (4.5')	Soluble	Solid	DI Leach	
890-8838-5	CS - 5 (4.5')	Soluble	Solid	DI Leach	
890-8838-6	CS - 6 (4.5')	Soluble	Solid	DI Leach	
890-8838-7	CS - 7 (4.5')	Soluble	Solid	DI Leach	
890-8838-8	CS - 8 (4.5')	Soluble	Solid	DI Leach	
890-8838-9	CS - 9 (4.5')	Soluble	Solid	DI Leach	
890-8838-10	CS - 10 (4.5')	Soluble	Solid	DI Leach	
890-8838-11	CS - 11 (4.5')	Soluble	Solid	DI Leach	
890-8838-12	CS - 12 (4.5')	Soluble	Solid	DI Leach	
890-8838-13	CS - 13 (4.5')	Soluble	Solid	DI Leach	
890-8838-14	CS - 14 (4.5')	Soluble	Solid	DI Leach	
890-8838-15	CS - 15 (4.5')	Soluble	Solid	DI Leach	
MB 880-119607/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119607/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-119607/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8838-1 MS	CS - 1 (4.5')	Soluble	Solid	DI Leach	
890-8838-1 MSD	CS - 1 (4.5')	Soluble	Solid	DI Leach	
890-8838-11 MS	CS - 11 (4.5')	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

HPLC/IC (Continued)

Leach Batch: 119607 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8838-11 MSD	CS - 11 (4.5')	Soluble	Solid	DI Leach	

Analysis Batch: 119696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8838-1	CS - 1 (4.5')	Soluble	Solid	300.0	119607
890-8838-2	CS - 2 (4.5')	Soluble	Solid	300.0	119607
890-8838-3	CS - 3 (4.5')	Soluble	Solid	300.0	119607
890-8838-4	CS - 4 (4.5')	Soluble	Solid	300.0	119607
890-8838-5	CS - 5 (4.5')	Soluble	Solid	300.0	119607
890-8838-6	CS - 6 (4.5')	Soluble	Solid	300.0	119607
890-8838-7	CS - 7 (4.5')	Soluble	Solid	300.0	119607
890-8838-8	CS - 8 (4.5')	Soluble	Solid	300.0	119607
890-8838-9	CS - 9 (4.5')	Soluble	Solid	300.0	119607
890-8838-10	CS - 10 (4.5')	Soluble	Solid	300.0	119607
890-8838-11	CS - 11 (4.5')	Soluble	Solid	300.0	119607
890-8838-12	CS - 12 (4.5')	Soluble	Solid	300.0	119607
890-8838-13	CS - 13 (4.5')	Soluble	Solid	300.0	119607
890-8838-14	CS - 14 (4.5')	Soluble	Solid	300.0	119607
890-8838-15	CS - 15 (4.5')	Soluble	Solid	300.0	119607
MB 880-119607/1-A	Method Blank	Soluble	Solid	300.0	119607
LCS 880-119607/2-A	Lab Control Sample	Soluble	Solid	300.0	119607
LCSD 880-119607/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119607
890-8838-1 MS	CS - 1 (4.5')	Soluble	Solid	300.0	119607
890-8838-1 MSD	CS - 1 (4.5')	Soluble	Solid	300.0	119607
890-8838-11 MS	CS - 11 (4.5')	Soluble	Solid	300.0	119607
890-8838-11 MSD	CS - 11 (4.5')	Soluble	Solid	300.0	119607

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 1 (4.5')

Lab Sample ID: 890-8838-1

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 12:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119732	09/25/25 02:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 02:26	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119696	09/24/25 16:14	CS	EET MID

Client Sample ID: CS - 2 (4.5')

Lab Sample ID: 890-8838-2

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 12:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 12:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119732	09/25/25 03:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 03:08	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	119696	09/24/25 16:31	CS	EET MID

Client Sample ID: CS - 3 (4.5')

Lab Sample ID: 890-8838-3

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 12:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 12:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119732	09/25/25 03:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 03:22	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	119696	09/24/25 16:37	CS	EET MID

Client Sample ID: CS - 4 (4.5')

Lab Sample ID: 890-8838-4

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 13:12	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 4 (4.5')

Date Collected: 09/22/25 00:00

Date Received: 09/23/25 08:18

Lab Sample ID: 890-8838-4

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			119732	09/25/25 03:36	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 03:36	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	119696	09/24/25 16:43	CS	EET MID

Client Sample ID: CS - 5 (4.5')

Date Collected: 09/22/25 00:00

Date Received: 09/23/25 08:18

Lab Sample ID: 890-8838-5

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			4.95 g	5 mL	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 13:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 13:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119732	09/25/25 03:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 03:50	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	119696	09/24/25 16:49	CS	EET MID

Client Sample ID: CS - 6 (4.5')

Date Collected: 09/22/25 00:00

Date Received: 09/23/25 08:18

Lab Sample ID: 890-8838-6

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			5.04 g	5 mL	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 13:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119732	09/25/25 04:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 04:05	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119696	09/24/25 17:07	CS	EET MID

Client Sample ID: CS - 7 (4.5')

Date Collected: 09/22/25 00:00

Date Received: 09/23/25 08:18

Lab Sample ID: 890-8838-7

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	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 14:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 14:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119732	09/25/25 04:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 04:18	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 7 (4.5')**Lab Sample ID: 890-8838-7****Date Collected: 09/22/25 00:00****Matrix: Solid****Date Received: 09/23/25 08:18**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	119696	09/24/25 17:13	CS	EET MID

Client Sample ID: CS - 8 (4.5')**Lab Sample ID: 890-8838-8****Date Collected: 09/22/25 00:00****Matrix: Solid****Date Received: 09/23/25 08:18**

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	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 18:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119732	09/25/25 04:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 04:33	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	119696	09/24/25 17:37	CS	EET MID

Client Sample ID: CS - 9 (4.5')**Lab Sample ID: 890-8838-9****Date Collected: 09/22/25 00:00****Matrix: Solid****Date Received: 09/23/25 08:18**

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	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 18:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119732	09/25/25 04:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 04:47	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	119696	09/24/25 17:43	CS	EET MID

Client Sample ID: CS - 10 (4.5')**Lab Sample ID: 890-8838-10****Date Collected: 09/22/25 00:00****Matrix: Solid****Date Received: 09/23/25 08:18**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 19:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119732	09/25/25 05:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 05:01	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	119696	09/24/25 17:49	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 11 (4.5')

Lab Sample ID: 890-8838-11

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 16:49	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119732	09/25/25 05:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 05:30	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	119696	09/24/25 17:54	CS	EET MID

Client Sample ID: CS - 12 (4.5')

Lab Sample ID: 890-8838-12

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 17:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119732	09/25/25 05:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 05:44	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	119696	09/24/25 18:12	CS	EET MID

Client Sample ID: CS - 13 (4.5')

Lab Sample ID: 890-8838-13

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 17:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119732	09/25/25 05:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 05:58	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119696	09/24/25 18:18	CS	EET MID

Client Sample ID: CS - 14 (4.5')

Lab Sample ID: 890-8838-14

Date Collected: 09/22/25 00:00

Matrix: Solid

Date Received: 09/23/25 08:18

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	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 17:51	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Client Sample ID: CS - 14 (4.5')**Lab Sample ID: 890-8838-14****Date Collected: 09/22/25 00:00****Matrix: Solid****Date Received: 09/23/25 08:18**

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			119732	09/25/25 06:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 06:12	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119696	09/24/25 18:36	CS	EET MID

Client Sample ID: CS - 15 (4.5')**Lab Sample ID: 890-8838-15****Date Collected: 09/22/25 00:00****Matrix: Solid****Date Received: 09/23/25 08:18**

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	119635	09/24/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/24/25 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119704	09/24/25 18:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119732	09/25/25 06:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119658	09/24/25 10:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119654	09/25/25 06:26	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	119607	09/23/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119696	09/24/25 18:41	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

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: BIG BUCK

Job ID: 890-8838-1
SDG: 2677

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-8838-1	CS - 1 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-2	CS - 2 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-3	CS - 3 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-4	CS - 4 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-5	CS - 5 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-6	CS - 6 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-7	CS - 7 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-8	CS - 8 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-9	CS - 9 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-10	CS - 10 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-11	CS - 11 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-12	CS - 12 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-13	CS - 13 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-14	CS - 14 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico
890-8838-15	CS - 15 (4.5')	Solid	09/22/25 00:00	09/23/25 08:18	New Mexico

Chain of Custody

Work Order No: _____

Page 1 of 2

Project Manager:		Ashion Thielke		Bill to: (if different)		Camrona	
Company Name:		Camrona Resources		Company Name:		Camrona Resources	
Address:		310 W Wall St Ste 500		Address:		310 West Wall Street Suite 500	
City, State ZIP:		Midland, TX 79701		City, State ZIP:		Midland, TX 79701	
Phone:		432-813-8988		Email:		ThielkeA@camronaresources.com	
Project Name:		Big Buck		Turn Around			
Project Number:		2677		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			
Project Location:		Lea County, New Mexico		Due Date:		72 hour TAT	
Sampler's Name:		JDC					
PO #:							
SAMPLE RECEIPT		Temp Blank: <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		Wet Ice: <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No			
Received Intact:		<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		Thermometer ID:		714000	
Cooler Custody Seals:		<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		Correction Factor:		-0.2	
Sample Custody Seals:		<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		Temperature Reading:		3.6	
Total Containers:		<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		Corrected Temperature:		3.4	
Sample Identification		Date		Time		Soil	
CS-1 (4.5)		9/22/2025				X	
CS-2 (4.5)		9/22/2025				X	
CS-3 (4.5)		9/22/2025				X	
CS-4 (4.5)		9/22/2025				X	
CS-5 (4.5)		9/22/2025				X	
CS-6 (4.5)		9/22/2025				X	
CS-7 (4.5)		9/22/2025				X	
CS-8 (4.5)		9/22/2025				X	
CS-9 (4.5)		9/22/2025				X	
CS-10 (4.5)		9/22/2025				X	
Comments:							
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	



890-8838 Chain of Custody

ANALYSIS REQUEST

Preservative Codes

None: NO
Cool: Cool
HCL: HC
H₂SO₄: H₂
H₃PO₄: HP
NaHSO₄: NABIS
Na₂S₂O₃: NaSO₃
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Work Order Comments

Program: UST/PT ☐ PRP ☐ Brownfields ☐ RC ☐ perfund
State of Project:
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADAPT ☐ Other:

Chain of Custody

Work Order No: _____

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@carmonaresources.com

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

Project Name:	Big Buck	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2677	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush															None: NO	DI Water: H ₂ O	
Project Location:	Lea County, New Mexico	Due Date:	72 hour TAT														Cool: Cool	MeOH: Me	
Sampler's Name:	JDC																HCL: HC	HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Tamp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters												Hold			
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	BTX 8021B													Na ₂ S ₂ O ₃ : NaSO ₃		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TPH 8015M (GRO + DRO + MRO)													Zn Acetate+NaOH: Zn		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Chloride 300.0													NaOH+Ascorbic Acid: SACP		
Total Containers:																			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
CS-11 (4.5')	9/22/2025		X		Comp	1	X	X	X										
CS-12 (4.5')	9/22/2025		X		Comp	1	X	X	X										
CS-13 (4.5')	9/22/2025		X		Comp	1	X	X	X										
CS-14 (4.5')	9/22/2025		X		Comp	1	X	X	X										
CS-15 (4.5')	9/22/2025		X		Comp	1	X	X	X										

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8838-1

SDG Number: 2677

Login Number: 8838

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8838-1

SDG Number: 2677

Login Number: 8838**List Number: 2****Creator: Rios, Minerva****List Source: Eurofins Midland****List Creation: 09/24/25 09:01 AM**

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/26/2025 7:58:21 PM

JOB DESCRIPTION

Big Buck
Lea County, New Mexico

JOB NUMBER

880-63072-1

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
9/26/2025 7:58:21 PM

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

Client: Carmona Resources
Project/Site: Big Buck

Laboratory Job ID: 880-63072-1
SDG: Lea County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	17
Lab Chronicle	20
Certification Summary	22
Method Summary	23
Sample Summary	24
Chain of Custody	25
Receipt Checklists	26

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
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: Big Buck

Job ID: 880-63072-1

Job ID: 880-63072-1**Eurofins Midland**

Job Narrative
880-63072-1

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

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

Receipt

The samples were received on 9/25/2025 9:20 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 -1.5°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-119787 and analytical batch 880-119727 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-6 (4.5') (880-63072-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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: (LCS 880-119721/2-A) and (LCSD 880-119721/3-A). 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 880-119721 and analytical batch 880-119767 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-119796 and analytical batch 880-119811 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (4.5')

Lab Sample ID: 880-63072-1

Date Collected: 09/24/25 00:00

Matrix: Solid

Date Received: 09/25/25 09:20

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		09/25/25 11:17	09/25/25 13:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/25/25 11:17	09/25/25 13:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/25/25 11:17	09/25/25 13:56	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		09/25/25 11:17	09/25/25 13:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/25/25 11:17	09/25/25 13:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/25/25 11:17	09/25/25 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/25/25 11:17	09/25/25 13:56	1
1,4-Difluorobenzene (Surr)	104		70 - 130	09/25/25 11:17	09/25/25 13:56	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			09/25/25 13:56	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			09/25/25 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/25/25 07:57	09/25/25 14:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/25/25 07:57	09/25/25 14:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/25/25 07:57	09/25/25 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130	09/25/25 07:57	09/25/25 14:52	1
o-Terphenyl (Surr)	92		70 - 130	09/25/25 07:57	09/25/25 14:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		10.1		mg/Kg			09/25/25 18:33	1

Client Sample ID: SW-5 (4.5')

Lab Sample ID: 880-63072-2

Date Collected: 09/23/25 00:00

Matrix: Solid

Date Received: 09/25/25 09:20

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		09/25/25 11:17	09/25/25 14:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/25 11:17	09/25/25 14:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/25 11:17	09/25/25 14:17	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		09/25/25 11:17	09/25/25 14:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/25 11:17	09/25/25 14:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/25/25 11:17	09/25/25 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	09/25/25 11:17	09/25/25 14:17	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/25/25 11:17	09/25/25 14:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

Client Sample ID: SW-5 (4.5')

Lab Sample ID: 880-63072-2

Date Collected: 09/23/25 00:00

Matrix: Solid

Date Received: 09/25/25 09:20

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			09/25/25 14:17	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			09/25/25 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/25/25 07:57	09/25/25 15:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/25/25 07:57	09/25/25 15:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/25/25 07:57	09/25/25 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130				09/25/25 07:57	09/25/25 15:06	1
o-Terphenyl (Surr)	88		70 - 130				09/25/25 07:57	09/25/25 15:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		9.96		mg/Kg			09/25/25 18:38	1

Client Sample ID: SW-6 (4.5')

Lab Sample ID: 880-63072-3

Date Collected: 09/23/25 00:00

Matrix: Solid

Date Received: 09/25/25 09:20

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		09/25/25 11:17	09/25/25 14:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/25/25 11:17	09/25/25 14:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/25/25 11:17	09/25/25 14:37	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		09/25/25 11:17	09/25/25 14:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/25/25 11:17	09/25/25 14:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/25/25 11:17	09/25/25 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	300	S1+	70 - 130				09/25/25 11:17	09/25/25 14:37	1
1,4-Difluorobenzene (Surr)	113		70 - 130				09/25/25 11:17	09/25/25 14:37	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			09/25/25 14:37	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			09/25/25 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/25/25 08:04	09/25/25 14:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/25/25 08:04	09/25/25 14:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

Client Sample ID: SW-6 (4.5')

Lab Sample ID: 880-63072-3

Date Collected: 09/23/25 00:00

Matrix: Solid

Date Received: 09/25/25 09:20

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		09/25/25 08:04	09/25/25 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130				09/25/25 08:04	09/25/25 14:52	1
o-Terphenyl (Surr)	82		70 - 130				09/25/25 08:04	09/25/25 14:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		9.98		mg/Kg			09/25/25 18:54	1

Client Sample ID: SW-11 (4.5')

Lab Sample ID: 880-63072-4

Date Collected: 09/23/25 00:00

Matrix: Solid

Date Received: 09/25/25 09:20

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		09/25/25 11:17	09/25/25 14:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/25/25 11:17	09/25/25 14:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/25/25 11:17	09/25/25 14:58	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		09/25/25 11:17	09/25/25 14:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/25/25 11:17	09/25/25 14:58	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/25/25 11:17	09/25/25 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				09/25/25 11:17	09/25/25 14:58	1
1,4-Difluorobenzene (Surr)	99		70 - 130				09/25/25 11:17	09/25/25 14:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/25/25 14:58	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			09/25/25 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/25/25 08:04	09/25/25 15:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/25/25 08:04	09/25/25 15:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/25/25 08:04	09/25/25 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130				09/25/25 08:04	09/25/25 15:06	1
o-Terphenyl (Surr)	80		70 - 130				09/25/25 08:04	09/25/25 15:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.0		10.1		mg/Kg			09/25/25 18:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

Client Sample ID: SW-12 (4.5')

Lab Sample ID: 880-63072-5

Date Collected: 09/23/25 00:00

Matrix: Solid

Date Received: 09/25/25 09:20

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		09/25/25 11:17	09/25/25 15:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/25/25 11:17	09/25/25 15:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/25/25 11:17	09/25/25 15:18	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		09/25/25 11:17	09/25/25 15:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/25/25 11:17	09/25/25 15:18	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/25/25 11:17	09/25/25 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	09/25/25 11:17	09/25/25 15:18	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/25/25 11:17	09/25/25 15:18	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			09/25/25 15:18	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			09/25/25 15:19	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		09/25/25 08:04	09/25/25 15:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/25/25 08:04	09/25/25 15:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/25/25 08:04	09/25/25 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130	09/25/25 08:04	09/25/25 15:19	1
o-Terphenyl (Surr)	83		70 - 130	09/25/25 08:04	09/25/25 15:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	184		10.0		mg/Kg			09/25/25 19:04	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

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)
880-63072-1	SW-4 (4.5')	106	104
880-63072-2	SW-5 (4.5')	113	101
880-63072-3	SW-6 (4.5')	300 S1+	113
880-63072-4	SW-11 (4.5')	114	99
880-63072-5	SW-12 (4.5')	115	106
890-8842-A-2-D MS	Matrix Spike	87	84
890-8842-A-2-E MSD	Matrix Spike Duplicate	98	93
LCS 880-119787/1-A	Lab Control Sample	96	107
LCSD 880-119787/2-A	Lab Control Sample Dup	102	102
MB 880-119787/5-A	Method Blank	176 S1+	96
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)
880-63072-1	SW-4 (4.5')	84	92
880-63072-2	SW-5 (4.5')	82	88
880-63072-3	SW-6 (4.5')	81	82
880-63072-4	SW-11 (4.5')	81	80
880-63072-5	SW-12 (4.5')	84	83
890-8861-A-1-C MS	Matrix Spike	98	101
890-8861-A-1-D MSD	Matrix Spike Duplicate	100	103
890-8861-A-11-C MS	Matrix Spike	94	90
890-8861-A-11-D MSD	Matrix Spike Duplicate	93	90
LCS 880-119721/2-A	Lab Control Sample	126	138 S1+
LCS 880-119722/2-A	Lab Control Sample	123	124
LCSD 880-119721/3-A	Lab Control Sample Dup	129	138 S1+
LCSD 880-119722/3-A	Lab Control Sample Dup	124	124
MB 880-119721/1-A	Method Blank	119	136 S1+
MB 880-119722/1-A	Method Blank	124	130
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-119787/5-A

Matrix: Solid

Analysis Batch: 119727

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119787

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/25 11:17	09/25/25 13:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/25 11:17	09/25/25 13:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/25 11:17	09/25/25 13:07	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/25/25 11:17	09/25/25 13:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/25 11:17	09/25/25 13:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/25/25 11:17	09/25/25 13:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	176	S1+	70 - 130	09/25/25 11:17	09/25/25 13:07	1
1,4-Difluorobenzene (Surr)	96		70 - 130	09/25/25 11:17	09/25/25 13:07	1

Lab Sample ID: LCS 880-119787/1-A

Matrix: Solid

Analysis Batch: 119727

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119787

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1077		mg/Kg		108	70 - 130
Toluene	0.100	0.08598		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.1048		mg/Kg		105	70 - 130
m,p-Xylenes	0.200	0.1891		mg/Kg		95	70 - 130
o-Xylene	0.100	0.08592		mg/Kg		86	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-119787/2-A

Matrix: Solid

Analysis Batch: 119727

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119787

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1040		mg/Kg		104	70 - 130	3	35
Toluene	0.100	0.08527		mg/Kg		85	70 - 130	1	35
Ethylbenzene	0.100	0.1113		mg/Kg		111	70 - 130	6	35
m,p-Xylenes	0.200	0.2050		mg/Kg		103	70 - 130	8	35
o-Xylene	0.100	0.1031		mg/Kg		103	70 - 130	18	35

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

Lab Sample ID: 890-8842-A-2-D MS

Matrix: Solid

Analysis Batch: 119727

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 119787

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08125		mg/Kg		81	70 - 130
Toluene	<0.00201	U	0.100	0.08259		mg/Kg		83	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-8842-A-2-D MS

Matrix: Solid

Analysis Batch: 119727

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 119787

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.08265		mg/Kg		83	70 - 130
m,p-Xylenes	<0.00402	U	0.200	0.1617		mg/Kg		81	70 - 130
o-Xylene	<0.00201	U	0.100	0.07984		mg/Kg		80	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 890-8842-A-2-E MSD

Matrix: Solid

Analysis Batch: 119727

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 119787

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09308		mg/Kg		93	70 - 130	14	35
Toluene	<0.00201	U	0.100	0.08368		mg/Kg		84	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.09273		mg/Kg		93	70 - 130	11	35
m,p-Xylenes	<0.00402	U	0.200	0.1822		mg/Kg		91	70 - 130	12	35
o-Xylene	<0.00201	U	0.100	0.09189		mg/Kg		92	70 - 130	14	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-119721/1-A

Matrix: Solid

Analysis Batch: 119767

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119721

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		09/25/25 07:57	09/25/25 08:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/25/25 07:57	09/25/25 08:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/25/25 07:57	09/25/25 08:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130	09/25/25 07:57	09/25/25 08:34	1
o-Terphenyl (Surr)	136	S1+	70 - 130	09/25/25 07:57	09/25/25 08:34	1

Lab Sample ID: LCS 880-119721/2-A

Matrix: Solid

Analysis Batch: 119767

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119721

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1016		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1175		mg/Kg		118	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-119721/2-A

Matrix: Solid

Analysis Batch: 119767

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119721

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	126		70 - 130
o-Terphenyl (Surr)	138	S1+	70 - 130

Lab Sample ID: LCSD 880-119721/3-A

Matrix: Solid

Analysis Batch: 119767

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119721

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1027		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1134		mg/Kg		113	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	129		70 - 130
o-Terphenyl (Surr)	138	S1+	70 - 130

Lab Sample ID: 890-8861-A-1-C MS

Matrix: Solid

Analysis Batch: 119767

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 119721

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	926.4		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	978.8		mg/Kg		98	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Lab Sample ID: 890-8861-A-1-D MSD

Matrix: Solid

Analysis Batch: 119767

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 119721

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	<50.0	U	1000	930.5		mg/Kg		93	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1043		mg/Kg		104	70 - 130	6	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	100		70 - 130
o-Terphenyl (Surr)	103		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-119722/1-A

Matrix: Solid

Analysis Batch: 119769

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119722

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		09/25/25 08:04	09/25/25 08:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/25/25 08:04	09/25/25 08:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/25/25 08:04	09/25/25 08:34	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	124		70 - 130				09/25/25 08:04	09/25/25 08:34	1
o-Terphenyl (Surr)	130		70 - 130				09/25/25 08:04	09/25/25 08:34	1

Lab Sample ID: LCS 880-119722/2-A

Matrix: Solid

Analysis Batch: 119769

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	893.1		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1049		mg/Kg		105	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	123		70 - 130				
o-Terphenyl (Surr)	124		70 - 130				

Lab Sample ID: LCSD 880-119722/3-A

Matrix: Solid

Analysis Batch: 119769

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119722

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	908.8		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1060		mg/Kg		106	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	124		70 - 130						
o-Terphenyl (Surr)	124		70 - 130						

Lab Sample ID: 890-8861-A-11-C MS

Matrix: Solid

Analysis Batch: 119769

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 119722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	817.8		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	869.9		mg/Kg		87	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-8861-A-11-C MS

Matrix: Solid

Analysis Batch: 119769

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 119722

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Lab Sample ID: 890-8861-A-11-D MSD

Matrix: Solid

Analysis Batch: 119769

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 119722

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	<50.0	U	998	814.4		mg/Kg		82	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	895.2		mg/Kg		90	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-119796/1-A

Matrix: Solid

Analysis Batch: 119811

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			09/25/25 16:48	1

Lab Sample ID: LCS 880-119796/2-A

Matrix: Solid

Analysis Batch: 119811

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-119796/3-A

Matrix: Solid

Analysis Batch: 119811

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	251.4		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-63066-A-6-C MS

Matrix: Solid

Analysis Batch: 119811

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3110	F1	1260	5020	F1	mg/Kg		151	90 - 110

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-63066-A-6-D MSD					Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 119811												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	3110	F1	1260	5029	F1	mg/Kg		152	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 119727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63072-1	SW-4 (4.5')	Total/NA	Solid	8021B	119787
880-63072-2	SW-5 (4.5')	Total/NA	Solid	8021B	119787
880-63072-3	SW-6 (4.5')	Total/NA	Solid	8021B	119787
880-63072-4	SW-11 (4.5')	Total/NA	Solid	8021B	119787
880-63072-5	SW-12 (4.5')	Total/NA	Solid	8021B	119787
MB 880-119787/5-A	Method Blank	Total/NA	Solid	8021B	119787
LCS 880-119787/1-A	Lab Control Sample	Total/NA	Solid	8021B	119787
LCSD 880-119787/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119787
890-8842-A-2-D MS	Matrix Spike	Total/NA	Solid	8021B	119787
890-8842-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	119787

Prep Batch: 119787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63072-1	SW-4 (4.5')	Total/NA	Solid	5035	
880-63072-2	SW-5 (4.5')	Total/NA	Solid	5035	
880-63072-3	SW-6 (4.5')	Total/NA	Solid	5035	
880-63072-4	SW-11 (4.5')	Total/NA	Solid	5035	
880-63072-5	SW-12 (4.5')	Total/NA	Solid	5035	
MB 880-119787/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119787/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119787/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8842-A-2-D MS	Matrix Spike	Total/NA	Solid	5035	
890-8842-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 119872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63072-1	SW-4 (4.5')	Total/NA	Solid	Total BTEX	
880-63072-2	SW-5 (4.5')	Total/NA	Solid	Total BTEX	
880-63072-3	SW-6 (4.5')	Total/NA	Solid	Total BTEX	
880-63072-4	SW-11 (4.5')	Total/NA	Solid	Total BTEX	
880-63072-5	SW-12 (4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 119721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63072-1	SW-4 (4.5')	Total/NA	Solid	8015NM Prep	
880-63072-2	SW-5 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-119721/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119721/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119721/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8861-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8861-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 119722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63072-3	SW-6 (4.5')	Total/NA	Solid	8015NM Prep	
880-63072-4	SW-11 (4.5')	Total/NA	Solid	8015NM Prep	
880-63072-5	SW-12 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-119722/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119722/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 119722 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-119722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8861-A-11-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8861-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 119767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63072-1	SW-4 (4.5')	Total/NA	Solid	8015B NM	119721
880-63072-2	SW-5 (4.5')	Total/NA	Solid	8015B NM	119721
MB 880-119721/1-A	Method Blank	Total/NA	Solid	8015B NM	119721
LCS 880-119721/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119721
LCSD 880-119721/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119721
890-8861-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	119721
890-8861-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	119721

Analysis Batch: 119769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63072-3	SW-6 (4.5')	Total/NA	Solid	8015B NM	119722
880-63072-4	SW-11 (4.5')	Total/NA	Solid	8015B NM	119722
880-63072-5	SW-12 (4.5')	Total/NA	Solid	8015B NM	119722
MB 880-119722/1-A	Method Blank	Total/NA	Solid	8015B NM	119722
LCS 880-119722/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119722
LCSD 880-119722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119722
890-8861-A-11-C MS	Matrix Spike	Total/NA	Solid	8015B NM	119722
890-8861-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	119722

Analysis Batch: 119892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63072-1	SW-4 (4.5')	Total/NA	Solid	8015 NM	
880-63072-2	SW-5 (4.5')	Total/NA	Solid	8015 NM	
880-63072-3	SW-6 (4.5')	Total/NA	Solid	8015 NM	
880-63072-4	SW-11 (4.5')	Total/NA	Solid	8015 NM	
880-63072-5	SW-12 (4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 119796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63072-1	SW-4 (4.5')	Soluble	Solid	DI Leach	
880-63072-2	SW-5 (4.5')	Soluble	Solid	DI Leach	
880-63072-3	SW-6 (4.5')	Soluble	Solid	DI Leach	
880-63072-4	SW-11 (4.5')	Soluble	Solid	DI Leach	
880-63072-5	SW-12 (4.5')	Soluble	Solid	DI Leach	
MB 880-119796/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119796/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-119796/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-63066-A-6-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-63066-A-6-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 119811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63072-1	SW-4 (4.5')	Soluble	Solid	300.0	119796

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 119811 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63072-2	SW-5 (4.5')	Soluble	Solid	300.0	119796
880-63072-3	SW-6 (4.5')	Soluble	Solid	300.0	119796
880-63072-4	SW-11 (4.5')	Soluble	Solid	300.0	119796
880-63072-5	SW-12 (4.5')	Soluble	Solid	300.0	119796
MB 880-119796/1-A	Method Blank	Soluble	Solid	300.0	119796
LCS 880-119796/2-A	Lab Control Sample	Soluble	Solid	300.0	119796
LCSD 880-119796/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119796
880-63066-A-6-C MS	Matrix Spike	Soluble	Solid	300.0	119796
880-63066-A-6-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	119796

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (4.5')

Lab Sample ID: 880-63072-1

Date Collected: 09/24/25 00:00

Matrix: Solid

Date Received: 09/25/25 09:20

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	119787	09/25/25 11:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119727	09/25/25 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119872	09/25/25 13:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119892	09/25/25 14:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119721	09/25/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119767	09/25/25 14:52	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	119796	09/25/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			119811	09/25/25 18:33	CS	EET MID

Client Sample ID: SW-5 (4.5')

Lab Sample ID: 880-63072-2

Date Collected: 09/23/25 00:00

Matrix: Solid

Date Received: 09/25/25 09:20

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	119787	09/25/25 11:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119727	09/25/25 14:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119872	09/25/25 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119892	09/25/25 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	119721	09/25/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119767	09/25/25 15:06	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119796	09/25/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			119811	09/25/25 18:38	CS	EET MID

Client Sample ID: SW-6 (4.5')

Lab Sample ID: 880-63072-3

Date Collected: 09/23/25 00:00

Matrix: Solid

Date Received: 09/25/25 09:20

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	119787	09/25/25 11:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119727	09/25/25 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119872	09/25/25 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119892	09/25/25 14:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119722	09/25/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119769	09/25/25 14:52	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119796	09/25/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			119811	09/25/25 18:54	CS	EET MID

Client Sample ID: SW-11 (4.5')

Lab Sample ID: 880-63072-4

Date Collected: 09/23/25 00:00

Matrix: Solid

Date Received: 09/25/25 09:20

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	119787	09/25/25 11:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119727	09/25/25 14:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119872	09/25/25 14:58	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

Client Sample ID: SW-11 (4.5')

Lab Sample ID: 880-63072-4

Date Collected: 09/23/25 00:00

Matrix: Solid

Date Received: 09/25/25 09:20

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			119892	09/25/25 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119722	09/25/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119769	09/25/25 15:06	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	119796	09/25/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			119811	09/25/25 18:59	CS	EET MID

Client Sample ID: SW-12 (4.5')

Lab Sample ID: 880-63072-5

Date Collected: 09/23/25 00:00

Matrix: Solid

Date Received: 09/25/25 09:20

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	119787	09/25/25 11:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119727	09/25/25 15:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119872	09/25/25 15:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			119892	09/25/25 15:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	119722	09/25/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119769	09/25/25 15:19	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	119796	09/25/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			119811	09/25/25 19:04	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

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: Big Buck

Job ID: 880-63072-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-63072-1	SW-4 (4.5')	Solid	09/24/25 00:00	09/25/25 09:20	New Mexico
880-63072-2	SW-5 (4.5')	Solid	09/23/25 00:00	09/25/25 09:20	New Mexico
880-63072-3	SW-6 (4.5')	Solid	09/23/25 00:00	09/25/25 09:20	New Mexico
880-63072-4	SW-11 (4.5')	Solid	09/23/25 00:00	09/25/25 09:20	New Mexico
880-63072-5	SW-12 (4.5')	Solid	09/23/25 00:00	09/25/25 09:20	New Mexico

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

Page 1 of 1


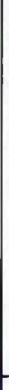
Work Order Comments

Program: ☐UST/PST ☐PRP ☐brownfields ☐RC ☐perfund

State of Project: ☐Level I ☐Level II ☐Level III ☐ST/UST ☐RRP ☐Level IV

Deliverables: ☐EDD ☐ADAPT ☐Other:

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9/25/2019 9:22		9/25/2019 9:20

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-63072-1
SDG Number: Lea County, New Mexico

Login Number: 63072

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

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/13/2025 11:30:31 AM Revision 1

JOB DESCRIPTION

BIG BUCK
2677

JOB NUMBER

890-8832-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



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

Generated
10/13/2025 11:30:31 AM
Revision 1

Client: Carmona Resources
Project/Site: BIG BUCK

Laboratory Job ID: 890-8832-1
SDG: 2677

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	22

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

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
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
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: BIG BUCK

Job ID: 890-8832-1

Job ID: 890-8832-1

Eurofins Carlsbad

Job Narrative
890-8832-1

REVISION

The report being provided is a revision of the original report sent on 9/24/2025. The report (revision 1) is being revised due to Per client, additional COC scanned that is not needed.

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

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

Receipt

The samples were received on 9/19/2025 3:04 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -7.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 7 (4.5') (890-8832-1), SW - 8 (4.5') (890-8832-2), SW - 9 (4.5') (890-8832-3) and SW - 10 (4.5') (890-8832-4).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-119395 recovered above the upper control limit for m,p-Xylenes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-119395/33).

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: (LCS 880-119384/2-A) and (LCSD 880-119384/3-A). 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: (890-8833-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 samples were outside control limits: SW - 8 (4.5') (890-8832-2), SW - 9 (4.5') (890-8832-3) and SW - 10 (4.5') (890-8832-4). 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 880-119469 and analytical batch 880-119555 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

Client Sample ID: SW - 7 (4.5')

Lab Sample ID: 890-8832-1

Date Collected: 09/19/25 00:00

Matrix: Solid

Date Received: 09/19/25 15:04

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		09/22/25 08:31	09/22/25 14:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/25 08:31	09/22/25 14:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/25 08:31	09/22/25 14:54	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		09/22/25 08:31	09/22/25 14:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/25 08:31	09/22/25 14:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/22/25 08:31	09/22/25 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	09/22/25 08:31	09/22/25 14:54	1
1,4-Difluorobenzene (Surr)	112		70 - 130	09/22/25 08:31	09/22/25 14:54	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			09/22/25 14:54	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			09/22/25 14:14	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		09/22/25 07:46	09/22/25 14:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/22/25 07:46	09/22/25 14:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/25 07:46	09/22/25 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	09/22/25 07:46	09/22/25 14:14	1
o-Terphenyl (Surr)	128		70 - 130	09/22/25 07:46	09/22/25 14:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		9.98		mg/Kg			09/23/25 18:56	1

Client Sample ID: SW - 8 (4.5')

Lab Sample ID: 890-8832-2

Date Collected: 09/19/25 00:00

Matrix: Solid

Date Received: 09/19/25 15:04

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		09/22/25 08:31	09/22/25 15:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/25 08:31	09/22/25 15:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/25 08:31	09/22/25 15:15	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/22/25 08:31	09/22/25 15:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/25 08:31	09/22/25 15:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/25 08:31	09/22/25 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	09/22/25 08:31	09/22/25 15:15	1
1,4-Difluorobenzene (Surr)	110		70 - 130	09/22/25 08:31	09/22/25 15:15	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

Client Sample ID: SW - 8 (4.5')

Lab Sample ID: 890-8832-2

Date Collected: 09/19/25 00:00

Matrix: Solid

Date Received: 09/19/25 15:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/22/25 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/22/25 14:44	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	<49.8	U	49.8		mg/Kg		09/22/25 07:46	09/22/25 14:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/22/25 07:46	09/22/25 14:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/25 07:46	09/22/25 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130				09/22/25 07:46	09/22/25 14:44	1
o-Terphenyl (Surr)	133	S1+	70 - 130				09/22/25 07:46	09/22/25 14:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		9.96		mg/Kg			09/23/25 19:02	1

Client Sample ID: SW - 9 (4.5')

Lab Sample ID: 890-8832-3

Date Collected: 09/19/25 00:00

Matrix: Solid

Date Received: 09/19/25 15:04

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		09/22/25 08:31	09/22/25 16:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/25 08:31	09/22/25 16:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/25 08:31	09/22/25 16:49	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		09/22/25 08:31	09/22/25 16:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/25 08:31	09/22/25 16:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/25 08:31	09/22/25 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				09/22/25 08:31	09/22/25 16:49	1
1,4-Difluorobenzene (Surr)	106		70 - 130				09/22/25 08:31	09/22/25 16:49	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			09/22/25 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/22/25 15:00	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	<49.9	U	49.9		mg/Kg		09/22/25 07:46	09/22/25 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/22/25 07:46	09/22/25 15:00	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

Client Sample ID: SW - 9 (4.5')

Lab Sample ID: 890-8832-3

Date Collected: 09/19/25 00:00

Matrix: Solid

Date Received: 09/19/25 15:04

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		09/22/25 07:46	09/22/25 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130				09/22/25 07:46	09/22/25 15:00	1
o-Terphenyl (Surr)	131	S1+	70 - 130				09/22/25 07:46	09/22/25 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.9		9.92		mg/Kg			09/23/25 19:38	1

Client Sample ID: SW - 10 (4.5')

Lab Sample ID: 890-8832-4

Date Collected: 09/19/25 00:00

Matrix: Solid

Date Received: 09/19/25 15:04

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		09/22/25 08:31	09/22/25 17:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/25 08:31	09/22/25 17:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/25 08:31	09/22/25 17:09	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		09/22/25 08:31	09/22/25 17:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/25 08:31	09/22/25 17:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/22/25 08:31	09/22/25 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				09/22/25 08:31	09/22/25 17:09	1
1,4-Difluorobenzene (Surr)	117		70 - 130				09/22/25 08:31	09/22/25 17:09	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			09/22/25 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/22/25 15:15	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	<49.8	U	49.8		mg/Kg		09/22/25 07:46	09/22/25 15:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/22/25 07:46	09/22/25 15:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/25 07:46	09/22/25 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130				09/22/25 07:46	09/22/25 15:15	1
o-Terphenyl (Surr)	137	S1+	70 - 130				09/22/25 07:46	09/22/25 15:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		10.0		mg/Kg			09/23/25 19:43	1

Eurofins Carlsbad

Surrogate Summary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

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)
890-8832-1	SW - 7 (4.5')	75	112
890-8832-2	SW - 8 (4.5')	75	110
890-8832-3	SW - 9 (4.5')	84	106
890-8832-4	SW - 10 (4.5')	82	117
890-8833-A-7-D MS	Matrix Spike	83	119
890-8833-A-7-E MSD	Matrix Spike Duplicate	83	121
LCS 880-119392/1-A	Lab Control Sample	81	124
LCSD 880-119392/2-A	Lab Control Sample Dup	85	121
MB 880-119392/5-A	Method Blank	79	105
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)
890-8832-1	SW - 7 (4.5')	120	128
890-8832-2	SW - 8 (4.5')	125	133 S1+
890-8832-3	SW - 9 (4.5')	122	131 S1+
890-8832-4	SW - 10 (4.5')	130	137 S1+
890-8833-A-1-E MS	Matrix Spike	111	125
890-8833-A-1-F MSD	Matrix Spike Duplicate	132 S1+	120
LCS 880-119384/2-A	Lab Control Sample	124	140 S1+
LCSD 880-119384/3-A	Lab Control Sample Dup	124	144 S1+
MB 880-119384/1-A	Method Blank	117	126
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

Eurofins Carlsbad

QC Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-119392/5-A

Matrix: Solid

Analysis Batch: 119395

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119392

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/25 08:31	09/22/25 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/25 08:31	09/22/25 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/25 08:31	09/22/25 11:48	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/22/25 08:31	09/22/25 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/25 08:31	09/22/25 11:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/25 08:31	09/22/25 11:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	09/22/25 08:31	09/22/25 11:48	1
1,4-Difluorobenzene (Surr)	105		70 - 130	09/22/25 08:31	09/22/25 11:48	1

Lab Sample ID: LCS 880-119392/1-A

Matrix: Solid

Analysis Batch: 119395

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119392

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1055		mg/Kg		106	70 - 130
Toluene	0.100	0.09392		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1035		mg/Kg		103	70 - 130
m,p-Xylenes	0.200	0.2303		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1063		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: LCSD 880-119392/2-A

Matrix: Solid

Analysis Batch: 119395

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119392

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1039		mg/Kg		104	70 - 130	2	35
Toluene	0.100	0.09456		mg/Kg		95	70 - 130	1	35
Ethylbenzene	0.100	0.1083		mg/Kg		108	70 - 130	4	35
m,p-Xylenes	0.200	0.2455		mg/Kg		123	70 - 130	6	35
o-Xylene	0.100	0.1129		mg/Kg		113	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

Lab Sample ID: 890-8833-A-7-D MS

Matrix: Solid

Analysis Batch: 119395

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 119392

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1002		mg/Kg		100	70 - 130
Toluene	<0.00201	U	0.100	0.09276		mg/Kg		93	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

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

Lab Sample ID: 890-8833-A-7-D MS

Matrix: Solid

Analysis Batch: 119395

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 119392

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1051		mg/Kg		103	70 - 130
m,p-Xylenes	<0.00402	U	0.200	0.2372		mg/Kg		119	70 - 130
o-Xylene	<0.00201	U	0.100	0.1096		mg/Kg		110	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: 890-8833-A-7-E MSD

Matrix: Solid

Analysis Batch: 119395

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 119392

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.100	0.1012		mg/Kg		101	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.09303		mg/Kg		93	70 - 130	0	35
Ethylbenzene	<0.00201	U	0.100	0.1035		mg/Kg		102	70 - 130	2	35
m,p-Xylenes	<0.00402	U	0.200	0.2345		mg/Kg		117	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.1076		mg/Kg		108	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

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

Lab Sample ID: MB 880-119384/1-A

Matrix: Solid

Analysis Batch: 119454

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119384

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		09/22/25 07:46	09/22/25 09:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/22/25 07:46	09/22/25 09:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/25 07:46	09/22/25 09:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130	09/22/25 07:46	09/22/25 09:26	1
o-Terphenyl (Surr)	126		70 - 130	09/22/25 07:46	09/22/25 09:26	1

Lab Sample ID: LCS 880-119384/2-A

Matrix: Solid

Analysis Batch: 119454

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1126		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1024		mg/Kg		102	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

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

Lab Sample ID: LCS 880-119384/2-A

Matrix: Solid

Analysis Batch: 119454

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119384

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	124		70 - 130
o-Terphenyl (Surr)	140	S1+	70 - 130

Lab Sample ID: LCSD 880-119384/3-A

Matrix: Solid

Analysis Batch: 119454

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119384

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1093		mg/Kg		109	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1040		mg/Kg		104	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	124		70 - 130
o-Terphenyl (Surr)	144	S1+	70 - 130

Lab Sample ID: 890-8833-A-1-E MS

Matrix: Solid

Analysis Batch: 119454

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 119384

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	999	897.5		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	<50.2	U	999	861.6		mg/Kg		86	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	111		70 - 130
o-Terphenyl (Surr)	125		70 - 130

Lab Sample ID: 890-8833-A-1-F MSD

Matrix: Solid

Analysis Batch: 119454

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 119384

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	<50.2	U	999	908.8		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.2	U	999	794.9		mg/Kg		80	70 - 130	8	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	132	S1+	70 - 130
o-Terphenyl (Surr)	120		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-119469/1-A

Matrix: Solid

Analysis Batch: 119555

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			09/23/25 16:43	1

Lab Sample ID: LCS 880-119469/2-A

Matrix: Solid

Analysis Batch: 119555

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.5		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-119469/3-A

Matrix: Solid

Analysis Batch: 119555

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	267.7		mg/Kg		107	90 - 110	2	20

Lab Sample ID: 880-62869-A-23-C MS

Matrix: Solid

Analysis Batch: 119555

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	433		251	702.2		mg/Kg		107	90 - 110

Lab Sample ID: 880-62869-A-23-D MSD

Matrix: Solid

Analysis Batch: 119555

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	433		251	699.2		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 890-8825-A-8-B MS

Matrix: Solid

Analysis Batch: 119555

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	211	F1	249	546.2	F1	mg/Kg		135	90 - 110

Lab Sample ID: 890-8825-A-8-C MSD

Matrix: Solid

Analysis Batch: 119555

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	211	F1	249	512.3	F1	mg/Kg		121	90 - 110	6	20

Eurofins Carlsbad

QC Association Summary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

GC VOA

Prep Batch: 119392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8832-1	SW - 7 (4.5')	Total/NA	Solid	5035	
890-8832-2	SW - 8 (4.5')	Total/NA	Solid	5035	
890-8832-3	SW - 9 (4.5')	Total/NA	Solid	5035	
890-8832-4	SW - 10 (4.5')	Total/NA	Solid	5035	
MB 880-119392/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119392/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119392/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8833-A-7-D MS	Matrix Spike	Total/NA	Solid	5035	
890-8833-A-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 119395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8832-1	SW - 7 (4.5')	Total/NA	Solid	8021B	119392
890-8832-2	SW - 8 (4.5')	Total/NA	Solid	8021B	119392
890-8832-3	SW - 9 (4.5')	Total/NA	Solid	8021B	119392
890-8832-4	SW - 10 (4.5')	Total/NA	Solid	8021B	119392
MB 880-119392/5-A	Method Blank	Total/NA	Solid	8021B	119392
LCS 880-119392/1-A	Lab Control Sample	Total/NA	Solid	8021B	119392
LCSD 880-119392/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119392
890-8833-A-7-D MS	Matrix Spike	Total/NA	Solid	8021B	119392
890-8833-A-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	119392

Analysis Batch: 119504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8832-1	SW - 7 (4.5')	Total/NA	Solid	Total BTEX	
890-8832-2	SW - 8 (4.5')	Total/NA	Solid	Total BTEX	
890-8832-3	SW - 9 (4.5')	Total/NA	Solid	Total BTEX	
890-8832-4	SW - 10 (4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 119384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8832-1	SW - 7 (4.5')	Total/NA	Solid	8015NM Prep	
890-8832-2	SW - 8 (4.5')	Total/NA	Solid	8015NM Prep	
890-8832-3	SW - 9 (4.5')	Total/NA	Solid	8015NM Prep	
890-8832-4	SW - 10 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-119384/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119384/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8833-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8833-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 119454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8832-1	SW - 7 (4.5')	Total/NA	Solid	8015B NM	119384
890-8832-2	SW - 8 (4.5')	Total/NA	Solid	8015B NM	119384
890-8832-3	SW - 9 (4.5')	Total/NA	Solid	8015B NM	119384
890-8832-4	SW - 10 (4.5')	Total/NA	Solid	8015B NM	119384
MB 880-119384/1-A	Method Blank	Total/NA	Solid	8015B NM	119384
LCS 880-119384/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119384

Eurofins Carlsbad

QC Association Summary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

GC Semi VOA (Continued)

Analysis Batch: 119454 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-119384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119384
890-8833-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	119384
890-8833-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	119384

Analysis Batch: 119492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8832-1	SW - 7 (4.5')	Total/NA	Solid	8015 NM	
890-8832-2	SW - 8 (4.5')	Total/NA	Solid	8015 NM	
890-8832-3	SW - 9 (4.5')	Total/NA	Solid	8015 NM	
890-8832-4	SW - 10 (4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 119469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8832-1	SW - 7 (4.5')	Soluble	Solid	DI Leach	
890-8832-2	SW - 8 (4.5')	Soluble	Solid	DI Leach	
890-8832-3	SW - 9 (4.5')	Soluble	Solid	DI Leach	
890-8832-4	SW - 10 (4.5')	Soluble	Solid	DI Leach	
MB 880-119469/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119469/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-119469/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-62869-A-23-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-62869-A-23-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
890-8825-A-8-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-8825-A-8-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 119555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8832-1	SW - 7 (4.5')	Soluble	Solid	300.0	119469
890-8832-2	SW - 8 (4.5')	Soluble	Solid	300.0	119469
890-8832-3	SW - 9 (4.5')	Soluble	Solid	300.0	119469
890-8832-4	SW - 10 (4.5')	Soluble	Solid	300.0	119469
MB 880-119469/1-A	Method Blank	Soluble	Solid	300.0	119469
LCS 880-119469/2-A	Lab Control Sample	Soluble	Solid	300.0	119469
LCSD 880-119469/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119469
880-62869-A-23-C MS	Matrix Spike	Soluble	Solid	300.0	119469
880-62869-A-23-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	119469
890-8825-A-8-B MS	Matrix Spike	Soluble	Solid	300.0	119469
890-8825-A-8-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	119469

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

Client Sample ID: SW - 7 (4.5')**Lab Sample ID: 890-8832-1****Date Collected: 09/19/25 00:00****Matrix: Solid****Date Received: 09/19/25 15:04**

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	119392	09/22/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119395	09/22/25 14:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119504	09/22/25 14:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			119492	09/22/25 14:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119384	09/22/25 07:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119454	09/22/25 14:14	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119469	09/22/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1			119555	09/23/25 18:56	CS	EET MID

Client Sample ID: SW - 8 (4.5')**Lab Sample ID: 890-8832-2****Date Collected: 09/19/25 00:00****Matrix: Solid****Date Received: 09/19/25 15:04**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	119392	09/22/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119395	09/22/25 15:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119504	09/22/25 15:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			119492	09/22/25 14:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119384	09/22/25 07:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119454	09/22/25 14:44	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119469	09/22/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1			119555	09/23/25 19:02	CS	EET MID

Client Sample ID: SW - 9 (4.5')**Lab Sample ID: 890-8832-3****Date Collected: 09/19/25 00:00****Matrix: Solid****Date Received: 09/19/25 15:04**

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	119392	09/22/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119395	09/22/25 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119504	09/22/25 16:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			119492	09/22/25 15:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119384	09/22/25 07:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119454	09/22/25 15:00	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119469	09/22/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1			119555	09/23/25 19:38	CS	EET MID

Client Sample ID: SW - 10 (4.5')**Lab Sample ID: 890-8832-4****Date Collected: 09/19/25 00:00****Matrix: Solid****Date Received: 09/19/25 15:04**

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	119392	09/22/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119395	09/22/25 17:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119504	09/22/25 17:09	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

Client Sample ID: SW - 10 (4.5')
Date Collected: 09/19/25 00:00
Date Received: 09/19/25 15:04

Lab Sample ID: 890-8832-4
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			119492	09/22/25 15:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	119384	09/22/25 07:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119454	09/22/25 15:15	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	119469	09/22/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1			119555	09/23/25 19:43	CS	EET MID

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

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

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: BIG BUCK

Job ID: 890-8832-1
SDG: 2677

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-8832-1	SW - 7 (4.5')	Solid	09/19/25 00:00	09/19/25 15:04	New Mexico
890-8832-2	SW - 8 (4.5')	Solid	09/19/25 00:00	09/19/25 15:04	New Mexico
890-8832-3	SW - 9 (4.5')	Solid	09/19/25 00:00	09/19/25 15:04	New Mexico
890-8832-4	SW - 10 (4.5')	Solid	09/19/25 00:00	09/19/25 15:04	New Mexico

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

Work Order No: _____

Page 1 of 1

Project Manager:	Ashton Thielke		Bill to: (if different)	Carmona	
Company Name:	Carmona Resources		Company Name:	Carmona Resources	
Address:	310 W Wall St Ste 500		Address:	310 West Wall Street Suite 500	
City, State ZIP:	Midland, TX 79701		City, State ZIP:	Midland, TX 79701	
Phone:	432-813-8988		Email:	ThielkeA@carmonaresources.com	

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

[illegible]

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

[Signature]

9	19	25	15.33
---	----	----	-------



9/19	25
------	----

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8832-1

SDG Number: 2677

Login Number: 8832

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8832-1

SDG Number: 2677

Login Number: 8832**List Number: 2****Creator: Rios, Minerva****List Source: Eurofins Midland****List Creation: 09/21/25 02:25 PM**

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

October 01, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BIG BUCK

Enclosed are the results of analyses for samples received by the laboratory on 09/26/25 15:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 16 (8.5') (H256064-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2025	ND	1.95	97.3	2.00	0.131	
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815	
Total BTX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	09/29/2025	ND	416	104	400	7.41		

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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.7 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 17 (8.5') (H256064-02)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	09/29/2025	ND	416	104	400	7.41		

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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.4 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 18 (8.5') (H256064-03)

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	09/29/2025	ND	1.95	97.3	2.00	0.131	
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4480	16.0	09/29/2025	ND	416	104	400	7.41		

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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.8 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 19 (8.5') (H256064-04)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2110	16.0	09/29/2025	ND	416	104	400	7.41	

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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	496	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	150	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.2 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 20 (8.5') (H256064-05)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEx	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/29/2025	ND	416	104	400	7.41		

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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 80.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.5 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 1 (4.5') (H256064-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	09/29/2025	ND	416	104	400	7.41		

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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.7 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 2 (4.5') (H256064-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.2 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 3 (4.5') (H256064-08)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/29/2025	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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.1 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 13 (4.5') (H256064-09)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	09/29/2025	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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.6 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 14 (4.5') (H256064-10)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.2 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 15 (4.5') (H256064-11)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEx	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.0 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 16 (4.5') (H256064-12)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/29/2025	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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 62.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 58.3 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 17 (4.5') (H256064-13)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/29/2025	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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.6 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 18 (8.5') (H256064-14)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/29/2025	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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.8 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 19 (8.5') (H256064-15)

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	09/29/2025	ND	1.95	97.3	2.00	0.131	
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815	
Total BTX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/29/2025	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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.0 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 20 (8.5') (H256064-16)

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	09/29/2025	ND	1.95	97.3	2.00	0.131	
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815	
Total BTEx	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/29/2025	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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.1 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 21 (8.5') (H256064-17)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/29/2025	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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.9 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 22 (8.5') (H256064-18)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/29/2025	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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.1 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 23 (8.5') (H256064-19)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/29/2025	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	09/29/2025	ND	214	107	200	0.891	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	223	111	200	0.944	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.0 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 24 (8.5') (H256064-20)

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	09/29/2025	ND	1.95	97.3	2.00	0.131		
Toluene*	<0.050	0.050	09/29/2025	ND	1.91	95.7	2.00	0.269		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.84	92.1	2.00	0.0843		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.39	89.9	6.00	0.0815		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	208	104	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	220	110	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 93.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.3 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 25 (8.5') (H256064-21)

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	09/29/2025	ND	2.03	101	2.00	3.56		
Toluene*	<0.050	0.050	09/29/2025	ND	2.04	102	2.00	3.63		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	2.00	100	2.00	4.41		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.96	99.3	6.00	4.44		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/29/2025	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	09/29/2025	ND	208	104	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	220	110	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.0 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 26 (8.5') (H256064-22)

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	09/29/2025	ND	2.03	101	2.00	3.56	
Toluene*	<0.050	0.050	09/29/2025	ND	2.04	102	2.00	3.63	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	2.00	100	2.00	4.41	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.96	99.3	6.00	4.44	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	09/29/2025	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	09/29/2025	ND	208	104	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	220	110	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.6 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 27 (8.5') (H256064-23)

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	09/29/2025	ND	2.03	101	2.00	3.56	
Toluene*	<0.050	0.050	09/29/2025	ND	2.04	102	2.00	3.63	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	2.00	100	2.00	4.41	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.96	99.3	6.00	4.44	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/29/2025	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	09/29/2025	ND	208	104	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	220	110	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.0 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 28 (8.5') (H256064-24)

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	09/29/2025	ND	2.03	101	2.00	3.56		
Toluene*	<0.050	0.050	09/29/2025	ND	2.04	102	2.00	3.63		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	2.00	100	2.00	4.41		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.96	99.3	6.00	4.44		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/29/2025	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	09/29/2025	ND	208	104	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	220	110	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 95.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.1 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 09/26/2025
 Reported: 10/01/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: EDDY CO NM

Sampling Date: 09/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 29 (4.5'-8.5') (H256064-25)

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	09/29/2025	ND	2.03	101	2.00	3.56		
Toluene*	<0.050	0.050	09/29/2025	ND	2.04	102	2.00	3.63		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	2.00	100	2.00	4.41		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.96	99.3	6.00	4.44		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	208	104	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	220	110	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 98.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.8 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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

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: HAS101114

Page 1 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@carmonaresources.com

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

Project Name:	Big Buck	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	72 hour TAT
Project Number:	2677	Due Date:	
Project Location:	Lea County, New Mexico		
Sample's Name:	JDC		
PO #:			
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	0.00
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	8.4°C
Total Containers:		Corrected Temperature:	8.7°C

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</
-----------------------	------	------	------	-------	-----------	-----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Chain of Custody

Work Order No: 42510014

Page 2 of 3

Page 29 of 30

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W. Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@carmonaresources.com

Project Name:	Big Buck	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	72 hour TAT
Project Number:	2677			
Project Location:	Lea County, New Mexico			
Sampler's Name:	JDC			
PO #:				

SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	+0.8		
	Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	8.4		
	Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	8.7		
	Total Containers:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	Sample Comments		
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500											
SW-15 (4.5')	9/25/2025		X		Comp	1	X	X	X											
SW-16 (4.5')	9/25/2025		X		Comp	1	X	X	X											
SW-17 (4.5')	9/26/2025		X		Comp	1	X	X	X											
SW-18 (8.5')	9/26/2025		X		Comp	1	X	X	X											
SW-19 (8.5')	9/25/2025		X		Comp	1	X	X	X											
SW-20 (8.5')	9/25/2025		X		Comp	1	X	X	X											
SW-21 (8.5')	9/26/2025		X		Comp	1	X	X	X											
SW-22 (8.5')	9/25/2025		X		Comp	1	X	X	X											
SW-23 (8.5')	9/25/2025		X		Comp	1	X	X	X											
SW-24 (8.5')	9/25/2025		X		Comp	1	X	X	X											

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Work Order No: 140520067

Page 3 of 3

Page 30 of 30

[illegible]



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

October 02, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BIG BUCK

Enclosed are the results of analyses for samples received by the laboratory on 10/01/25 13:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Coley 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 21 (4.5') (H256136-01)

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	10/01/2025	ND	1.88	94.1	2.00	1.67	
Toluene*	<0.050	0.050	10/01/2025	ND	1.81	90.4	2.00	3.38	
Ethylbenzene*	<0.050	0.050	10/01/2025	ND	1.87	93.3	2.00	3.74	
Total Xylenes*	<0.150	0.150	10/01/2025	ND	5.67	94.5	6.00	3.82	
Total BTEX	<0.300	0.300	10/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	48.8	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 103 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 22 (4.5') (H256136-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/01/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/01/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/01/2025	ND	5.67	94.5	6.00	3.82		
Total BTX	<0.300	0.300	10/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	29.7	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 99.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 102 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 23 (4.5') (H256136-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/01/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/01/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/01/2025	ND	5.67	94.5	6.00	3.82		
Total BTEX	<0.300	0.300	10/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 100 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.4 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 24 (4.5') (H256136-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/01/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/01/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/01/2025	ND	5.67	94.5	6.00	3.82		
Total BTX	<0.300	0.300	10/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.6 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 25 (4.5') (H256136-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2025	ND	1.88	94.1	2.00	1.67	
Toluene*	<0.050	0.050	10/01/2025	ND	1.81	90.4	2.00	3.38	
Ethylbenzene*	<0.050	0.050	10/01/2025	ND	1.87	93.3	2.00	3.74	
Total Xylenes*	<0.150	0.150	10/01/2025	ND	5.67	94.5	6.00	3.82	
Total BTEX	<0.300	0.300	10/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 96.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.6 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 26 (4.5') (H256136-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/01/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/01/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/01/2025	ND	5.67	94.5	6.00	3.82		
Total BTEX	<0.300	0.300	10/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	52.6	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 104 % 52.4-130

Surrogate: 1-Chlorooctadecane 103 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 27 (4.5') (H256136-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/01/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/01/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/01/2025	ND	5.67	94.5	6.00	3.82		
Total BTX	<0.300	0.300	10/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	10.1	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 104 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 28 (4.5') (H256136-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/01/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/01/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/01/2025	ND	5.67	94.5	6.00	3.82		
Total BTEX	<0.300	0.300	10/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500CI-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	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 96.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.1 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 29 (4.5') (H256136-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/01/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/01/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/01/2025	ND	5.67	94.5	6.00	3.82		
Total BTEX	<0.300	0.300	10/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 91.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.4 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 30 (4.5') (H256136-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/01/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/01/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/01/2025	ND	5.67	94.5	6.00	3.82		
Total BTEx	<0.300	0.300	10/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 99.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.2 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 31 (4.5') (H256136-11)

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	10/01/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/01/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/01/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/01/2025	ND	5.67	94.5	6.00	3.82		
Total BTEX	<0.300	0.300	10/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 92.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.1 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 32 (4.5') (H256136-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/01/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/01/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/01/2025	ND	5.67	94.5	6.00	3.82		
Total BTX	<0.300	0.300	10/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.9 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 33 (4.5') (H256136-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/01/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/01/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/01/2025	ND	5.67	94.5	6.00	3.82		
Total BTEX	<0.300	0.300	10/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 102 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.8 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 34 (4.5') (H256136-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/02/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/02/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/02/2025	ND	5.67	94.5	6.00	3.82		
Total BTEX	<0.300	0.300	10/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 100 % 52.4-130

Surrogate: 1-Chlorooctadecane 101 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 35 (4.5') (H256136-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/02/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/02/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/02/2025	ND	5.67	94.5	6.00	3.82		
Total BTEX	<0.300	0.300	10/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	15.4	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 97.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.6 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 36 (4.5') (H256136-16)

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	10/02/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/02/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/02/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/02/2025	ND	5.67	94.5	6.00	3.82		
Total BTEX	<0.300	0.300	10/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 97.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.8 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 37 (4.5') (H256136-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2025	ND	1.88	94.1	2.00	1.67	
Toluene*	<0.050	0.050	10/02/2025	ND	1.81	90.4	2.00	3.38	
Ethylbenzene*	<0.050	0.050	10/02/2025	ND	1.87	93.3	2.00	3.74	
Total Xylenes*	<0.150	0.150	10/02/2025	ND	5.67	94.5	6.00	3.82	
Total BTEX	<0.300	0.300	10/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/02/2025	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	10/01/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/01/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.1 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 38 (4.5') (H256136-18)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/02/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/02/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/02/2025	ND	5.67	94.5	6.00	3.82		
Total BTX	<0.300	0.300	10/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/02/2025	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	10/02/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/02/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/02/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.9 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, 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: 10/01/2025
 Reported: 10/02/2025
 Project Name: BIG BUCK
 Project Number: 2677
 Project Location: LEA CO NM

Sampling Date: 10/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 39 (4.5') (H256136-19)

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	10/02/2025	ND	1.88	94.1	2.00	1.67		
Toluene*	<0.050	0.050	10/02/2025	ND	1.81	90.4	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/02/2025	ND	1.87	93.3	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/02/2025	ND	5.67	94.5	6.00	3.82		
Total BTEX	<0.300	0.300	10/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/02/2025	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	10/02/2025	ND	207	103	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/02/2025	ND	224	112	200	0.205	
EXT DRO >C28-C36	<10.0	10.0	10/02/2025	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.1 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

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:

HA56136

Page 1 of 2

Page 22 of 23

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@carmonaresources.com

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

Project Name:	Big Buck	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Due Date: 24 hour TAT	Parameters	ANALYSIS REQUEST	Preservative Codes None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ 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 Number:	2677						
Project Location:	Lea County, New Mexico						
Sample's Name:	JDC						
PO #:							
SAMPLE RECEIPT Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Total Containers:		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#146		
		Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:	+0.3°C		
		Temperature Reading:	4.0°C	Corrected Temperature:	4.9°C		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Hold	Sample Comments
CS-21 (4.5')	10/11/2025		X		Comp	1	X	X	X		
CS-22 (4.5')	10/11/2025		X		Comp	1	X	X	X		
CS-23 (4.5')	10/11/2025		X		Comp	1	X	X	X		
CS-24 (4.5')	10/11/2025		X		Comp	1	X	X	X		
CS-25 (4.5')	10/11/2025		X		Comp	1	X	X	X		
CS-26 (4.5')	10/11/2025		X		Comp	1	X	X	X		
CS-27 (4.5')	10/11/2025		X		Comp	1	X	X	X		
CS-28 (4.5')	10/11/2025		X		Comp	1	X	X	X		
CS-29 (4.5')	10/11/2025		X		Comp	1	X	X	X		
SW-30 (4.5')	10/11/2025		X		Comp	1	X	X	X		

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Chain of Custody

Work Order No:

425613

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	ThielkeA@carmonaresources.com

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

Project Name:	Big Buck	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2677																None: NO <input type="checkbox"/> DI Water: H ₂ O			
Project Location:	Lea County, New Mexico	Due Date:	24 hour TAT														Cool: Cool <input type="checkbox"/> MeOH: Me			
Sampler's Name:	JDC																HCL: HC <input type="checkbox"/> HNO ₃ : HN			
PO #:																	H ₂ SO ₄ : H ₂ <input type="checkbox"/> NaOH: Na			
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP <input type="checkbox"/>			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:															NaHSO ₄ : NABIS <input type="checkbox"/>			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃ <input type="checkbox"/>			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:															Zn Acetate+NaOH: Zn <input type="checkbox"/>			
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SAPC <input type="checkbox"/>			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
SW-31 (4.5')	10/1/2025		X		Comp	1	X	X	X											
SW-32 (4.5')	10/1/2025		X		Comp	1	X	X	X											
SW-33 (4.5')	10/1/2025		X		Comp	1	X	X	X											
SW-34 (4.5')	10/1/2025		X		Comp	1	X	X	X											
SW-35 (4.5')	10/1/2025		X		Comp	1	X	X	X											
SW-36 (4.5')	10/1/2025		X		Comp	1	X	X	X											
SW-37 (4.5')	10/1/2025		X		Comp	1	X	X	X											
SW-38 (4.5')	10/1/2025		X		Comp	1	X	X	X											
SW-39 (4.5')	10/1/2025		X		Comp	1	X	X	X											

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Joe Doe

10-1-25 1313

Ashton Thielke

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 515362

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 515362
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507068248
Incident Name	NAPP2507068248 BIG BUCK (03.11.2025) @ C-12-21S-32E
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	BIG BUCK (03.11.2025)
Date Release Discovered	03/11/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Pipeline (Any) Produced Water Released: 4,026 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 4,026 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)	Crack on a buried pipeline caused by possible corrosion releasing 4,025.75 bbl PW with 0 bbl recovered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 515362

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 515362
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 10/15/2025
--	--

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 515362

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 515362
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	12800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	29118
GRO+DRO (EPA SW-846 Method 8015M)	24598
BTEX (EPA SW-846 Method 8021B or 8260B)	286
Benzene (EPA SW-846 Method 8021B or 8260B)	9.4

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	09/15/2025
On what date will (or did) the final sampling or liner inspection occur	09/22/2025
On what date will (or was) the remediation complete(d)	10/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	10148
What is the estimated volume (in cubic yards) that will be reclaimed	2295
What is the estimated surface area (in square feet) that will be remediated	10148
What is the estimated volume (in cubic yards) that will be remediated	2295

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 515362

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 515362
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 10/15/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 515362

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 515362
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 515362

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 515362
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	509946
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/02/2025
What was the (estimated) number of samples that were to be gathered	30
What was the sampling surface area in square feet	6750

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	10148
What was the total volume (cubic yards) remediated	2295
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	10148
What was the total volume (in cubic yards) reclaimed	2295
Summarize any additional remediation activities not included by answers (above)	Contaminated soil remediated. Confirmation floor and sidewall samples within acceptable limits per NMAC 19.15.29.12 - groundwater > 55'. A 400 sqft confirmation sampling variance has been approved. Backfilled with clean topsoil and reseeded with BLM #2 LPC Sandy mixture.
<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: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 10/15/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 515362

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 515362
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	10148
What was the total volume of replacement material (in cubic yards) for this site	2295
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	10/10/2025
Summarize any additional reclamation activities not included by answers (above)	Contaminated soil remediated. Confirmation floor and sidewall samples within acceptable limits per NMAC 19.15.29.12 - groundwater > 55'. A 400 sqft confirmation sampling variance has been approved. Backfilled with clean topsoil and reseeded with BLM #2 LPC Sandy mixture.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 10/15/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 8

Action 515362

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 515362
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 515362

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 515362
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	1/8/2026