

SITE INFORMATION

Closure Report West Gama Ridge 8-5 Fed 2H (05.14.19) Incident ID: NAB1915746595 Lea County, New Mexico Unit N Sec 08 T22S R34E 32.3997392°, -103.4941176°

Point of Release: Cap on H-pump failed resulting in spill from tank Release Date: 05.14.2019 Volume Released: 260 Barrels of Produced Water Volume Recovered: 60 Barrels of Produced Water

CARMONA RESOURCES

Prepared for: Cimarex Energy Co. 600 N. Marienfeld Street Suite 300N Midland, Texas 79701

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

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



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February 20, 2024

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

Re: Closure Report West Gama Ridge 8-5 Fed 2H (05.14.19) Cimarex Energy Co. Site Location: Unit N, S08 T22S, R34E (Lat 32.3997392°, Long -103.4941176°) Lea County, New Mexico

To whom it may concern:

On behalf of Cimarex Energy Co. (Cimarex), Carmona Resources, LLC has prepared this letter to document site activities for the West Gama Ridge 8-5 Fed 2H (05.14.19). The site is located at 32.3997392°, -103.4941176° within Unit N, S08, T22S, R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the spill was discovered on May 14, 2019, caused by the cap on the fillers for the H-pump failed and cracked resulting in water to spill from the tank. It resulted in approximately two-hundred sixty (260) barrels of produced water being released, and sixty (60) barrels of produced water were recovered. The initial C-141 form 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, no known water sources are within a 0.50-mile radius of the location. The nearest groundwater determination bore is located approximately 0.64 miles Southwest of the site in S18, T22S, R34E and was drilled in 2023. The well has a reported depth to groundwater of 487 feet below ground surface (ft bgs).

On February 8, 2024, Carmona Resources, LLC requested a groundwater variance to utilize the abovereferenced water well for closure criteria purposes. The variance request was approved on February 20, 2024. A copy of the correspondence 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: 20,000 mg/kg.



4.0 Site Assessment Activities

On February 7, 2024, Carmona Resources performed site assessment activities to evaluate soil impacts. To assess the vertical and horizontal extent, seven (7) sample points (BH-1 through BH-7) and six (6) horizontal sample points (BH-8 through BH-13) were advanced to depths ranging from the surface to 20' bgs inside the area of concern. 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. Refer to Table 1. See Figure 3 for the sample locations.

5.0 Conclusion

Based on the assessment results and the analytical data, no further actions are required at the site. Cimarex formally requests the closure of this release. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Gilbert Priego Jr. Project Manager

ha

Ashton Thielke Sr. Project Manager











APPENDIX A



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Table 1 Cimarex Energy Co. West Grama Ridge 8-5 Federal #002H (05.14.2019) Lea County, New Mexico

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BH-1 27/2024 0-1 -+100 -+100 -+100 -+000 -+0000 +0000 +0000 +0000		Date	Depth (ft)	GRO			Total						Chloride (mg/kg)
BH1 ····································		2/7/2024	0-1					<0.050	<0.050	<0.050	<0.150	< 0.300	544
BH-1 3 100 100			2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
BH-1 -			3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
BH-1 3 51000 5100 5100 5			4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	512
BH-3 6 <10.0 <10.0 <10.0 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <10.06 <	BH-1		5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,410
Image: here in the second se	BII-I		6		<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	928
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BH-2 2 1000 10		2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	304
BH-2 -			2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
BH-2 -			3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
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" 2 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 </td <td></td> <td></td> <td>5</td> <td><10.0</td> <td><10.0</td> <td><10.0</td> <td><10.0</td> <td><0.050</td> <td><0.050</td> <td><0.050</td> <td><0.150</td> <td><0.300</td> <td>144</td>			5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
" 2 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 </td <td></td> <td>2/7/2024</td> <td>0.1</td> <td><10.0</td> <td><10.0</td> <td><10.0</td> <td><10.0</td> <td><0.050</td> <td><0.050</td> <td><0.050</td> <td><0.150</td> <td><0.300</td> <td>192</td>		2/7/2024	0.1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
" 3 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 </td <td></td> <td>64.0</td>													64.0
" 4 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 </td <td></td> <td>128</td>													128
" 5 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 </td <td></td> <td>304</td>													304
BH-5 Image: string intermediate in													832
" 7 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 </td <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2,360</td>			-										2,360
" 8 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 </td <td></td> <td>2,300</td>													2,300
BH-5 Image: Constraint of the constraint of													1,920
" 10 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0<													3,120
BH-5 " 11 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 </td <td></td> <td>1,880</td>													1,880
" 11 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0<	BH-5												2,320
12 10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10													2,320
" 14 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0<													2,840
" 15 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0<													4,560
" 16 <10.0 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050													3,880
" 17 <10.0 <10.0 <10.0 <10.0 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000 <0.000													2,040
													2,040
" 18 <10.0 <10.0 <10.0 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050													736
													384
													384 144
	Portulato	ny CritoriaA	20			<10.0			<0.050	<0.000	<0.150		
Kegunatory Cheriax 1,000 mg/kg 2,500 mg/kg 10 mg/kg 50 mg/kg 20,000 (-) Not Analyzed				1,000	mg/kg		2,300 mg/kg	-to ilig/kg				30 mg/kg	20,000 mg/kg

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

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Table 1 Cimarex Energy Co. West Grama Ridge 8-5 Federal #002H (05.14.2019) Lea County, New Mexico

BH-10 DR00 HR00 TOTAL Unitability							Sunty, New M	EXICO					
277/2024 0-11 4100	Sample ID	Date	Depth (ft)	GPO			Total						Chloride (mg/kg)
BH-0 2 0100 10		2/7/2024	0-1					<0.050	<0.050	<0.050	<0.150	<0.300	576
BH-6303030303000<													
BH-6 ····· ····· ····· ····· ····· ····· ····· ····· ····· ······ ······ ······ ······· ······· ······· ········ ··········· ············· ····································													
BH + ···													
Image: book image:	BH-6												
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BH-0 C 100 C 100 <thc< td=""><td></td><td></td><td>7</td><td><10.0</td><td></td><td><10.0</td><td><10.0</td><td><0.050</td><td><0.050</td><td><0.050</td><td><0.150</td><td><0.300</td><td>192</td></thc<>			7	<10.0		<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
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Pictor Pictor etcor <		2/7/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
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" 4 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 </td <td></td> <td></td> <td>2</td> <td><10.0</td> <td><10.0</td> <td><10.0</td> <td><10.0</td> <td><0.050</td> <td><0.050</td> <td><0.050</td> <td><0.150</td> <td><0.300</td> <td>48.0</td>			2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
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		"											
Regulatory CriteriaA 1,000 mg/kg 2,500 mg/kg 10 mg/kg 50 mg/kg 20,000 mg/kg	Regulato	ory Criteria <u>A</u>	· · · ·				2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

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

APPENDIX B



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 1

Facility:	West Gama Ridge 8-5 Fed 2H
	(05.14.19)

County: Lea County, New Mexico

Description:

View South, area of BH-1 and BH-4 through BH-6.



Photograph No. 2

Facility:	West Gama Ridge 8-5 Fed 2H (05.14.19)
County:	Lea County, New Mexico

Description:

View East, area of BH-2 through BH-3 and BH-11 through BH-12.



Photograph No. 3

Facility:	West Gama Ridge 8-5 Fed 2H (05.14.19)

County: Lea County, New Mexico

Description:

View Northeast, area of BH-7 and BH-9.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 4

Facility:	West Gama Ridge 8-5 Fed 2H
	(05.14.19)

County: Lea County, New Mexico

Description: View North, area of BH-8.





APPENDIX C



Received by OCD: 2/21/2024 10:02:58 AM

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NAB1915746595	
District RP	1RP-5532	
Facility ID		
Application ID	pAB1915746326	

Release Notification

Responsible Party

Responsible Party Cimarex Energy	OGRID 215099
Contact Name Christine Alderman	Contact Telephone 432-853-7059
Contact email calderman@cimarex.com	Incident # (assigned by OCD) NAB1915746595
Contact mailing address 600 N Marienfeld Ste 60, Midland, TX 79701	

Location of Release Source

Latitude 32.3997392_

_____ Longitude -103.4941176______ (NAD 83 in decimal degrees to 5 decimal places)

Site Name West Grama Ridge 8-5 Fed 2H	Site Type production battery	·
Date Release Discovered 5/14/2019	API# (if applicable) 30-025-43554	

Unit Letter	Section	Township	Range	County
N	08	228	34E	Lea

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 260	Volume Recovered (bbls) 60
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
🗌 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		1

The cap on the filters for the H-pump failed and cracked, causing water to spill from tank.

.....

- 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1)	Incident ID	NAB1915746595
je 2	Oil Conservation Divis	ion	District RP	1RP-5532
			Facility ID	
			Application ID	pAB1915746326
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the The release was >25 bbls	responsible party cor	nsider this a major release	?
🛛 Yes 🗌 No				
If YES, was immediate n Yes Christine Alderman	otice given to the OCD? By whom?	To whom? When an	nd by what means (phone,	email, etc)?
Jim Griswold, NM distri	ct 1 general email. 5/15/2019			
		al Response		
The responsible	party must undertake the following actions im	mediately unless they could	d create a safety hazard that wo	uld result in injury
The source of the rel	ease has been stopped.			
	as been secured to protect human heal	th and the environme	ent.	<u> </u>
	-			<u></u>
INI Released materials n	ave been contained via the use of ber	ms or dikes, absorben	t pads, or other containme	ent devices.
			t pads, or other containme propriately.	ent devices.
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Received by OCD: 2/21/2024 10:02:58 AM Form C-141 State of New Mexico

Oil Conservation Division

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Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	(ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🗌 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗌 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🗌 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🗌 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🗌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🗌 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🗌 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
Field data
Data table of soil contaminant concentration data
Depth to water determination
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
Boring or excavation logs
Photographs including date and GIS information
Topographic/Aerial maps

Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 2/21/2024 10:02:58 AM Form C-141 State of New Mexico			Page 19 of 155	
		Incident ID		
Page 4 Oil Conservation	Oil Conservation Division	District RP		
		Facility ID		
		Application ID		
regulations all operators public health or the envir failed to adequately inve addition, OCD acceptance and/or regulations. Printed Name: Signature:	are required to report and/or file certain release not ronment. The acceptance of a C-141 report by the C stigate and remediate contamination that pose a three	est of my knowledge and understand that pursuant to OCD ru cations and perform corrective actions for releases which may CD does not relieve the operator of liability should their opera t to groundwater, surface water, human health or the environr esponsibility for compliance with any other federal, state, or l Title: Date: Telephone:	y endanger ttions have nent. In ocal laws	
OCD Only				
Received by:		Date:		

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Oil Conservation Division

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Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities 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. Printed Name: _____ Title: _____ Signature: Date: Telephone: email: **OCD Only**

Received by:

Date:_____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:	Date:
Printed Name:	Title:

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

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Action 314961

QUESTIONS

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	314961
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS Proroquisitos

Frerequisites	
Incident ID (n#)	nAB1915746595
Incident Name	NAB1915746595 WEST GRAMA RIDGE 8 5 FEDERAL #002H @ 30-025-43554
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-43554] WEST GRAMA RIDGE 8 5 FEDERAL #002H

Location of Release Source

Site Name	WEST GRAMA RIDGE 8 5 FEDERAL #002H
Date Release Discovered	05/14/2019
Surface Owner	State

Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	18,000
What is the estimated number of samples that will be gathered	13
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/07/2024
Time sampling will commence	11:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Gilbert Priego - 432-813-7389 Site assessment sampling with drilling rig, sample results turned out to being less than regulatory clean up standard for medium/deep groundwater. No remediation required until reclamation	
Please provide any information necessary for navigation to sampling site	32.3997392,-103.4941176	

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	314961
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
lluig	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/15/2024

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Action 314961

Ashton Thielke

From:	Velez, Nelson, EMNRD <nelson.velez@emnrd.nm.gov></nelson.velez@emnrd.nm.gov>
Sent:	Tuesday, February 20, 2024 10:43 AM
То:	Ashton Thielke
Cc:	DL_Permian Environmental
Subject:	Re: [EXTERNAL] NAB1915746595 - West Grama Ridge 8-5 Fed #002H - NMAC
	19.15.29.11.A.4 - Groundwater Variance

WARNING: This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.

Good morning Ashton,

Thank you for the solicitation. My apology for the delay in response. Your variance request to 19.15.29.11A (4) NMAC is approved.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/



From: Ashton Thielke <Ashton.Thielke@coterra.com>
Sent: Thursday, February 8, 2024 10:16 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: DL_Permian Environmental <DL_PermianEnvironmental@coterra.com>
Subject: [EXTERNAL] NAB1915746595 - West Grama Ridge 8-5 Fed #002H - NMAC 19.15.29.11.A.4 - Groundwater Variance

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

Good afternoon Mr. Velez

We are requesting a variance to NMAC 19.15.29.11.A.4 for the above mentioned NMOCD incident #. The above mentioned site recently had a release on May 14, 2019 and has since been mapped out and is being assessed.

The closest groundwater data we have for this site is approximately ~0.64 miles Southwest of the site at a depth of 487'

(See attachment for documentation/well log).

Additional water wells found during a desktop review to suggest that groundwater is > 400'.

The release was fully contained on pad and did not spread to any pasture or roadway and has no impacts to surface/ground water.

The site is **NOT** located in a high karst environment and the nearest water feature, river, playa, etc are all greater than 1 mile away.

The site is believed to be no risk to the environment and with NMOCD approval of this variance, Cimarex will proceed with closure of this site using the closure criteria found on Table 1 of NMAC 19.15.29, to reflect groundwater >100 feet.

Delineation samples were collected yesterday 02.07.2024 for this historical spill incident.

Please let me know if you have any questions.

Thanks!



Ashton Thielke | PBU - Environmental Consultant

T: 432.813.8988 | M: 281.753.5659 | <u>Ashton.Thielke@coterra.com</u> | <u>www.coterra.com</u> Coterra Energy Inc. | 6001 Deauville Blvd., Suite 300N | Midland, TX 79706

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

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APPENDIX D





WEST GRAMA RIDGE 8-5 FED COM 2H (05.14.19)



Legend

WEST GRAMA RIDGE 8-5 FED COM 2H (05.14.19)



Received by OCD: 2/21/2024 10:02:58 AM



WELL RECORD & LOSSIEL, STREET OFFICE

2019 APR 26 PM # 01

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

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	CATION	5-4	200	18.2.4.4 EXPL WELL TAG ID NO.	NIA	PAGE 2 OF 2			
L	($\sim \sim \sim$	$\gamma \gamma \gamma \nu$	HUNA / BN WELL HAUID NO.	/~//\				

Released to Imaging: 4/12/2024 3:13:04 PM



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NO	OSE POD NC CP-1720-P	-				OSE FILE NO(S).					
OCATI	WELL OWN) Company/Glenn's	Water Well S	Service, Inc.			PHONE (OPTIO 575-398-242	-		
MELL I	WELL OWN PO Box 6		G ADDRESS					CITY Tatum		STATE NM	ZIP 88267
GENERAL AND WELL LOCATION	WELL LOCATIO		TITUDE	GREES 32	MINUTES 24	SECON 30.7	2 _N		REQUIRED: ONE TEN OUIRED: WGS 84	TH OF A SECOND	
ENER	(FROM GF	LO	NGLIUDE	-103	-103 29 23.82 W * DATUM REQUIRED: WGS 84 STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						
1. G	NW1/4 SW1/4 NE1/4 Section 08, Township 22 South, Range 34 East on Merchant Livestock Company Land										
	LICENSE NO WD		NAME OF LICENSED	DRILLER Corky Glenn					NAME OF WELL DR Glenn's V	ILLING COMPANY Vater Well Service,	Inc.
	DRILLING S 05/02		DRILLING ENDED 05/07/19	DEPTH OF COI	EPTH OF COMPLETED WELL (FT) 1,190 BORE HOLE DEPTH (FT) 1,190				DEPTH WATER FIR	ST ENCOUNTERED () 824'	FT)
Z	COMPLETE	O WELL IS:	ARTESIAN	DRY HOLE SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 527'			
ATIO	DRILLING FLUID: Image: Air and Additives - Specify:										
ORM	DRILLING M	IETHOD:	7 ROTARY	HAMMER		DOL	OTHEI	R - SPECIFY:	· · · · ·	· · · · · · · · · · · · · · · · · · ·	
CASING INFORMATION	DEPTH (feet bgl) BORE HOLE FROM TO DIAM (inches)		CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)			CONN T	SING IECTION YPE ing diameter)	CASING INSIDE DIAM. (inches)	CASING WALI THICKNESS (inches)	SLOT SIZE (inches)	
S C	0	40	20"	ASTM A5	3 Sch 40 Steel 16"	OD	-	lone	15.5	.25	
BG	0	800	14.75"		ade J-55/K-55 10.7			l & Collar	10.05	.35	
DRILLING	728	1,190	9.875"		ng 8 5/8" / 8.625" Bottom 420 Perfo		Pla	in End	8.125	.25	1/8"
2.			·····		· · ·						
					· · · · · · · · · · · · · · · · · · ·						
15. 					·····					datata	
IAL	DEPTH FROM	(feet bgl) TO	BORE HOLE DIAM. (inches)		ST ANNULAR SE. VEL PACK SIZE-I				AMOUNT (cubic feet)		IOD OF EMENT
[ER]	0	40'	20"		Cem	ented		· - · · · · · · · · · · · · · · · · · ·	2 yards	Top	Pour
MAJ	0	800'	14.75"	Float	t and Shoe Cement	ed to Su	face 30 B	arrels	345 Sacks Pump	ed <u>Ç</u> irc	ulated
AR										⊩atung ≢at	177 - 2 >< 11
ANNULAR MATERIAL											<u> </u>
1997 - 199 1997 -				L							

FOR OSE INTERNAL USE FILE NO. C) . [r LOCATION

		WR-20 WELL	RECORD & LOG (V	ersion 06/30/17)
	POD NO.	TRN NO.	628	249
8.2.3.1	EXPL	WELL TAG ID NO.	NA	PAGE 1 OF 2

5.34E.

	DEPTH (1 FROM	TO	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)	ESTIMATEI YIELD FOR WATER- BEARING ZONES (gpm
1	0	5	5	Sand	Y √N	
	5	20	15	Caliche & Clay	Y ✓ N	
-	20	110	90	Sand & Red Clay	Y VN	
	110	600	490	Red Clay & Shale	Y ✓ N	
	600	760	160	Red & Brown Shale	Y ✓N	
-	760	800	40	Red Shale	Y 🖌 N	
	800	824	24	Red Shale & Clay	Y ✓N	
	824	1,109	285	Sand	YY N	100.00
ľ	1,109	1,140	31	Sand with Stringers of Brown Shale	YY N	
	1,140	1,171	31	Sand	✓ Y N	
╞	1,171	1,190	19	Red Shale	Y √N	
					Y N	
					Y N	
-					Y N	
ŀ	· · ·				Y N	
					Y N	· · · · · · · · · · · · · · · · · · ·
					Y N	
\cdot					Y N	
$\left \right $					Y N	
-					Y N	<u>_</u>
ŀ					Y N	
-		PED TO ES		DF WATER-BEARING STRATA: TOT	TAL ESTIMATED	
					ELL YIELD (gpm):	100.00
	WELL TES			CH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUD IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER TH		
	MISCELLA	NEOUS INF		o 800' drilled with mud. ' to 1,190' drilled with air and foam.		
		E(S) OF D	RILL RIG SUPER'	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRU	JCTION OTHER TH	AN LICENSE
	PRINT NAM					
	THE UNDEI CORRECT F	RSIGNED H RECORD O	F THE ABOVE DI	ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECO DAYS AFTER COMPLETION OF WELL DRILLING:		
	THE UNDEI CORRECT F	RSIGNED H RECORD OI ERMIT HO	F THE ABOVE DI	ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECO DAYS AFTER COMPLETION OF WELL DRILLING:		
	THE UNDEI CORRECT F	RSIGNED H RECORD OF ERMIT HO SIGNAT	F THE ABOVE DI LDER WITHIN 30	ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECO DAYS AFTER COMPLETION OF WELL DRILLING: Corky Glenn Corky Glenn		TE ENGINEE

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

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2019 MAY 13 胡 10:45

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NO	OSE POD NO CP-1721-P		NO.) IGS Middle	V	VELL TAG ID NO.			OSE FILE	NO(S)).			
OCATI	WELL OWNI		c(s) ck Company/Glenn'	s Water Well Se	rvice, Inc.			PHONE (C 575-398-		-			
GENERAL AND WELL LOCATION	WELL OWNE PO Box 69		NG ADDRESS		ii			CITY Tatum					
ê.				DEGREES	MINUTES	SECONI)S						÷
ΓΨΙ	WELL LOCATIO	N	LATITUDE	32	23	43.5	6 _N	* ACCUR.	* ACCURACY REQUIRED: ONE TENTH OF A SECOND				
NERA	(FROM GP		LANITUDE	-103	30	34.3		* DATUM REQUIRED: WGS 84					
1. GE	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIJP, RANGE) WHERE AVAILABLE SE1/4 NE1/4 NW1/4 Section 18, Township 22 South, Range 34 East on Merchant Livestock Company Land												
	LICENSE NO).	NAME OF LICENSE	D DRILLER		·· <u>··</u> ···				NAME OF WELL DRI	LLING COM	PANY	
	WD -			(Corky Glenn						/ater Well S		.
1	DRILLING S 04/07		DRILLING ENDED 04/11/19	DEPTH OF COM	DEPTH OF COMPLETED WELL (FT) 1,108 BORE HOLE DEPTH (FT) 1,108 BORE HOLE DEPTH (FT)			FT)	DEPTH WATER FIRS	st encouni 820'	TERED (FT)		
Z	COMPLETE	O WELL I	S: 7 ARTESIAN	DRY HOLE	DRY HOLE SHALLOW (UNCONFINED)				STATIC WATER LEV	el in comp 493'	LETED WE	LL (FT)	
10	DRILLING F	DRILLING FLUID: AIR I MUD ADDITIVES – SPECIFY:											
ORMA	DRILLING M	ETHOD:	✓ ROTARY	HAMMER	CABLE T	OOL	OTHE	R – SPECIFY	7:				:
CASING INFORMATION	DEPTH (feet bg!) FROM TO		BOKE HOLE		ATERIAL AND GRADE)/OR		ASING NECTION		CASING INSIDE DIAM.	CASING THICK		SLOT SIZE
ASIN	TROM	10	(inches)		(include each casing string, and note sections of screen) (add coupling d			YPE	r)	(inches)	(incl		(inches)
	0	40	20"	ASTM A53	Sch 40 Steel 16'	" OD	1	None		15.5	.2	5	
ŊĊ	0	756	5 14.75"		ie J-55/K-55 10.		Thread	d & Collar		10.05	.3	5	
LLJ	714	1,10	9.875"		g 8 5/8" / 8.625"		Pla	in End		8.125	.2	5	1/8"
2. DRILLING &				(394' Total) E	Sottom 350' Perfe	orated							
													,
					ő								
									· · ·				
	DEPTH	(feet hal) BORE HOLE	1 107	' ANNULAR SE	CAL MAAT				AMOUNT		METHO	
H	FROM	TO	DIAM (inches		EL PACK SIZE-					(cubic feet)		METHO: PLACEM	
CRIA	0	40'			Cen	nented			.	2 yards		Top Po	
ANNULAR MATERIAL	0	756		Float a	and Shoe Cemen		face 40 B	arrels		325 Sacks Pump	ed	Circula	
RM													
ILAI									-+	· · ·			·····
IN													
3. Aľ										· · · · · · · · · · · · · · · · · · ·			
nor									(WELL DEGODE 1			
FOR	OSE INTER		<u>nal</u>		POD NO)	7	1	<u>R-20</u> RN N	WELL RECORD &	283	$\frac{1510006/31}{16}$	(11)
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		101		1 - 0 - 110	· 1	r	1 1		$\sim$ $\varphi_{i}$		14	ł

PAGE 1 OF 2

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.*	DEPTH () FROM	feet bgl) TO	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)
	0	6	6	Sand	Y V N	
	6	40	34	Caliche	Y ✓ N	
	40	85	45	Sand & Red Clay	Y √N	
	85	420	335	Red Clay	Y ✓ N	
	420	510	90	Red Shale	Y √N	
ت	510	565	55	Brown Shale	Y V N	
4. HYDROGEOLOGIC LOG OF WELL	565	756	191	Brown & Red Shale	Y ✓ N	
DF W	756	792	36	Red Shale	Y ✓ N	
000	792	823	31	Red Sand Stone	✓Y N	
CLC	823	1,075	252	Sand with Shale Stringers	✓ Y N	45.00
0GI	1,075		33	Red Shale	Y VN	43.00
OL	1,075	1,108		Ked Snale		
190		1			~~~~~	
<b>VDR</b>					Y N	
4. H					Y N	
					Y N	
				· · · · · · · · · · · · · · · · · · ·	Y N	
				· · · · · · · · · · · · · · · · · · ·	Y N	
				· · · · · · · · · · · · · · · · · · ·	Y N	
					Y N	
					Y N	
					Y N	
	METHOD U	ISED TO ES	TOTAL ESTIMATED			
	✓ PUM	P 🔲 A	IR LIFT	BAILER OTHER – SPECIFY:	WELL YIELD (gpm):	45.00
TEST; RIG SUPERVISION	WELL TES	I STAR	T TIME, END TIM	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE to 756' drilled with mud. 6' to 1,108' drilled with air and foam.		
ST; I	<u> </u>					Ŧ
5. TE	PRINT NAN	4E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTHER TH	IAN LICENSEE:
6. SIGNATURE	CORRECT I	RECORD O	F THE ABOVE D	IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELI ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL R 0 DAYS AFTER COMPLETION OF WELL DRILLING: Corky Glenn R / PRINT SIGNEE NAME		
		NATIOE				nian 06/20/2017
	E NO.	NAL USE	021	WR-20 WEI POD NO. <b>1</b> TRN NO.	L RECORD & LOG (Ve	rsion 06/30/2017)
<u> </u>	CATION	225	21/5	18.1.2.4 EXPL WELL TAG ID NO.	. MA	PAGE 2 OF 2

## FEMA National Flood Hazard Layer (NFHL)



Maxar | Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

# West Grama Ridge 8-5 Federal #002H (05.14.2019)



OSE Probable Playas

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

# **APPENDIX E**




February 09, 2024

ASHTON THIELKE CARMONA RESOURCES 310 W WALL ST SUITE 415 MIDLAND, TX 79701

RE: WEST GAME RIDGE 8-5 FED COM CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/07/24 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 <a href="https://www.tceq.texas.gov/field/qa/lab_accred_certif.html">www.tceq.texas.gov/field/qa/lab_accred_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 1 ( 0-1' ) (H240594-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	201	101	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.3	% 49.1-14	8						

### Cardinal Laboratories

### *=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 1 ( 2' ) (H240594-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	201	101	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

### Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 1 ( 3' ) (H240594-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	201	101	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.8	% 49.1-14	8						

### Cardinal Laboratories

### *=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 1 ( 4' ) (H240594-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	201	101	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.8	% 49.1-14	8						

### Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 1 ( 5' ) (H240594-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	201	101	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 1 ( 6' ) (H240594-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	201	101	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 1 ( 7' ) (H240594-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 1 (8') (H240594-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 1 (9') (H240594-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 1 ( 10' ) (H240594-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 2 ( 0-1' ) (H240594-11)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 2 ( 2' ) (H240594-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 2 ( 3' ) (H240594-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	6 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 2 ( 4' ) (H240594-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 2 ( 5' ) (H240594-15)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	104 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	6 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 2 ( 6' ) (H240594-16)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	102 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	6 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 2 ( 7' ) (H240594-17)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 2 ( 8' ) (H240594-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	98.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 3 (0-1') (H240594-19)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 3 (2') (H240594-20)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.02	101	2.00	6.19	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	99.8	2.00	6.45	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.97	98.6	2.00	6.24	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.74	95.7	6.00	6.34	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	94.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 3 (3') (H240594-21)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 3 (4') (H240594-22)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 3 (5') (H240594-23)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 3 (6') (H240594-24)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 3 (7') (H240594-25)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 3 (8') (H240594-26)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	223	112	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	209	105	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.7	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

# Sample ID: BH - 4 (0-1') (H240594-27)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	67.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	62.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 4 (2') (H240594-28)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	61.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	55.9	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 4 (3') (H240594-29)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.9	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 4 (4') (H240594-30)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.4	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 4 (5') (H240594-31)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 5 (0-1') (H240594-32)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	80.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 5 (2') (H240594-33)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	77.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 5 (3') (H240594-34)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	83.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 5 (4') (H240594-35)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.2	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (5') (H240594-36)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	79.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.8	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 5 (6') (H240594-37)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	69.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.3	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (7') (H240594-38)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	79.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.4	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (8') (H240594-39)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	79.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.8	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (9') (H240594-40)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.99	99.6	2.00	9.40	
Toluene*	<0.050	0.050	02/08/2024	ND	2.00	100	2.00	9.41	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.96	98.2	2.00	10.1	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.92	98.7	6.00	9.26	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	24						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	77.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.8	% 49.1-14	10						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (10') (H240594-41)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	80.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.8	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (11') (H240594-42)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	78.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.0	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (12') (H240594-43)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	82.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.4	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (13') (H240594-44)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3640	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	81.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.5	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (14') (H240594-45)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.1	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (15') (H240594-46)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3880	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	183	91.6	200	6.42	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	185	92.5	200	8.73	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (16') (H240594-47)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (17') (H240594-48)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (18') (H240594-49)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 (19') (H240594-50)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 5 ( 20' ) (H240594-51)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	96.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 6 (0-1') (H240594-52)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	96.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 6 (2') (H240594-53)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 6 (3') (H240594-54)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 6 (4') (H240594-55)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 6 (5') (H240594-56)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 6 (6') (H240594-57)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 6 (7') (H240594-58)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 6 (8') (H240594-59)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 7 (0-1') (H240594-60)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.88	93.9	2.00	8.41	
Toluene*	<0.050	0.050	02/08/2024	ND	1.90	95.2	2.00	8.12	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.90	94.9	2.00	7.60	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.65	94.2	6.00	7.96	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 7 (2') (H240594-61)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 7 (3') (H240594-62)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 7 (4') (H240594-63)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 7 (5') (H240594-64)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 7 (6') (H240594-65)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 7 (7') (H240594-66)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	196	97.8	200	0.813	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	211	105	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

# Sample ID: BH - 7 (8') (H240594-67)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	82.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.7	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 7 (9') (H240594-68)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.4	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 7 (10') (H240594-69)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 8 (0-1') (H240594-70)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

### Sample ID: BH - 8 (2') (H240594-71)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.8	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 8 (3') (H240594-72)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 8 (4') (H240594-73)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 8 (5') (H240594-74)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

# Sample ID: BH - 9 (0-1') (H240594-75)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 9 (2') (H240594-76)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

# Sample ID: BH - 9 (3') (H240594-77)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	85.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.5	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

#### Sample ID: BH - 9 (4') (H240594-78)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

#### Sample ID: BH - 9 (5') (H240594-79)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	95.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 10 (0-1') (H240594-80)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	1.81	90.7	2.00	8.19	
Toluene*	<0.050	0.050	02/08/2024	ND	1.83	91.6	2.00	8.99	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	1.92	96.2	2.00	9.63	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	5.67	94.5	6.00	9.02	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	95.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.5	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 10 (2') (H240594-81)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	QR-03
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.9	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 10 (3') (H240594-82)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 10 (4') (H240594-83)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

#### Sample ID: BH - 10 (5') (H240594-84)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 11 (0-1') (H240594-85)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 11 (2') (H240594-86)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	210	105	200	0.735	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	202	101	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

#### Sample ID: BH - 11 (3') (H240594-87)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 11 (4') (H240594-88)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 11 (5') (H240594-89)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

# Sample ID: BH - 12 (0-1') (H240594-90)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 12 (2') (H240594-91)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 12 (3') (H240594-92)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

#### Sample ID: BH - 12 (4') (H240594-93)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 12 (5') (H240594-94)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 13 (0-1') (H240594-95)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 13 (2') (H240594-96)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

#### Sample ID: BH - 13 (3') (H240594-97)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	87.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 13 (4') (H240594-98)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	WEST GAME RIDGE 8-5 FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	2252	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

## Sample ID: BH - 13 (5') (H240594-99)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2024	ND	2.13	107	2.00	5.21	
Toluene*	<0.050	0.050	02/08/2024	ND	2.23	111	2.00	0.839	
Ethylbenzene*	<0.050	0.050	02/08/2024	ND	2.37	118	2.00	0.802	
Total Xylenes*	<0.150	0.150	02/08/2024	ND	7.13	119	6.00	1.29	
Total BTEX	<0.300	0.300	02/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/08/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2024	ND	207	103	200	0.822	
DRO >C10-C28*	<10.0	10.0	02/08/2024	ND	190	95.2	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	02/08/2024	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.9	% 49.1-14	8						

#### Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

The manual on the second the	AH-1 (8)   27/2024   X   G   1   X   X     AH-1 (9)   2/7/2024   X   G   1   X   X     AH-1 (10)   2/7/2024   X   G   1   X   X     Comments: $\chi$ 0   1   X   X   X	)   217/2024   X   G   1   X   X     217/2024   X   G   1   X   X	Lea County, New Mexico Due Date: 48 hr.   GPJ GPJ GPJ Ves No Wet Ice: Ves No   CEIPT Temp Blank: Yes No Thermometer ID: Ves No   Seals: Yes No NA Correction Factor: 400   Seals: Yes No NA Temperature Reading: 3.3 c.   Corrected Temperature: Corrected Temperature: Grab/ Grab/	Image:	43	310 W Wall St Ste 500 Company Name: Cimarex Energy   Midland. TX 79701 Address: 6001 Deauville Blvd,		Chain of Custody
	D Chauge			ANALYSIS REQUEST Preservative Codes	Iand, TX 79706 Reporting:Level II Level III ST/UST RRP Level IV Deliverables:   n.thielke@coferra.com  Deliverables: EDD ADaPT Other:	d, Suite 300N State of Project:	Page 1 of 10 Work Order Comments	Work Order No:

Page 138 of 155

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6		Date/Time												Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Naco-						CIVALI	in the second se	ä	RRP		õ		10	1240	
		ime												nents	SAPC	-	×		NaUH: Na	HNU3: HN	MeOH: Me		Motor L D			Level IV	r	5 berfund		of 10	445	
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# **State of New Mexico** Energy, Minerals and Natural Resources **Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 316251

QUESTION	NS
Operator: CIMAREX ENERGY CO.	OGRID: 215099
	Action Number: 316251
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS Proroquisitos

Frerequisites	
Incident ID (n#)	nAB1915746595
Incident Name	NAB1915746595 WEST GRAMA RIDGE 8 5 FEDERAL #002H @ 30-025-43554
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-43554] WEST GRAMA RIDGE 8 5 FEDERAL #002H

#### Location of Release Source

Please answer all the questions in this group.	
Site Name	WEST GRAMA RIDGE 8 5 FEDERAL #002H
Date Release Discovered	05/14/2019
Surface Owner	State

#### 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	Νο
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

#### Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Fitting   Produced Water   Released: 260 BBL   Recovered: 60 BBL   Lost: 200 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

Action Type

[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS, Page 2

Action 316251

QUESTIONS (continued)	
	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	316251

QUESTIONS

Initial Response

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.	

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
appropriately	
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

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

I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 02/21/2024
----------------------------------------------------	-------------------------------------------------------------------------------------------------------------

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

QUESTIONS, Page 3

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Action 316251

QUESTIONS (continued)

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	316251
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-V-Closure)

#### QUESTIONS

Site Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (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 an	d 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	Greater than 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	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Νο

#### 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 Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Have the lateral and vertical extents of contamination been fully delineated Yes Was this release entirely contained within a lined containment area No Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.) Chloride (EPA 300.0 or SM4500 CI B) 4560 TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) 0 GRO+DRO (EPA SW-846 Method 8015M) 0 BTEX (EPA SW-846 Method 8021B or 8260B) 0 (EPA SW-846 Method 8021B or 8260B) Benzene 0 Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation. On what estimated date will the remediation commence 05/14/2019 On what date will (or did) the final sampling or liner inspection occur 02/07/2024 On what date will (or was) the remediation complete(d) 05/14/2019 What is the estimated surface area (in square feet) that will be reclaimed 18000 What is the estimated volume (in cubic yards) that will be reclaimed 2666 What is the estimated surface area (in square feet) that will be remediated 18000 What is the estimated volume (in cubic yards) that will be remediated 2666 These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required

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

**QUESTIONS** (continued)

QUESTIONS, Page 4

Action 316251

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	316251
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	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)	Yes
Other Non-listed Remedial Process. Please specify	Site will be remediated/reclaimed during P/A activities. Site has been fully delineated and due to deep groundwater (>100') and no immediate risk to human health, the environment, or ground water. See closure report.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 02/21/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to	

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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QUESTIONS, Page 5

Action 316251

QUESTIONS (continued)	
Operator: CIMAREX ENERGY CO.	OGRID: 215099
6001 Deauville Blvd Midland, TX 79706	Action Number: 316251
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Deferral Requests Only	

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	f 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

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

QUESTIONS, Page 6

Action 316251

QUESTIONS (continued)	
Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	316251
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	314961
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/07/2024
What was the (estimated) number of samples that were to be gathered	13
What was the sampling surface area in square feet	18000

**Remediation Closure Request** 

Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Site will be remediated/reclaimed during P/A activities. Site has been fully delineated and due to deep groundwater (>100') and no immediate risk to human health, the environment, or ground water. See closure report.
	losure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete. Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 02/21/2024

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

QUESTIONS, Page 7

Action 316251

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QUESTIONS (continued)		
Operator: CIMAREX ENERGY CO.	OGRID: 215099	
6001 Deauville Blvd Midland, TX 79706	Action Number: 316251	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
QUESTIONS		
Reclamation Report		

Only answer the questions in this group if all reclamation steps have been completed. Requesting a reclamation approval with this submission

No

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

CONDITIONS

Action 316251

CONDITIONS Operator: OGRID: CIMAREX ENERGY CO. 215099 6001 Deauville Blvd Action Number: Midland, TX 79706 316251 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D. (1).(a) NMAC	4/12/2024

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