



## SITE INFORMATION

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**Closure Report**  
**Redhills Rattlesnake Pipeline Riser**  
**Lea County, New Mexico**  
**Unit M Sec 22 T26S R33E**  
**Incident #: NAPP2217349908**  
**32.025343°, -103.568519°**

**Produced Water Release**  
**Point of Release: Ruptured gasket between a poly flange and a steel valve**  
**Release Date: 06/08/2022**  
**Volume Released: 50 barrels of Produced Water**  
**Volume Recovered: 20 barrels of Produced Water**

**CARMONA RESOURCES**



**Prepared for:**  
**EOG Resources, Inc**  
**5509 Champions Dr.**  
**Midland, TX 79706**

**Prepared by:**  
**Carmona Resources, LLC**  
**310 West Wall Street**  
**Suite 415**  
**Midland, Texas 79701**

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July 19, 2022

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

**Re: Closure Report  
Redhills Rattlesnake Pipeline Riser  
EOG Resources, Inc  
Site Location: Unit M, S22, T26S, R33E  
(Lat 32.025343°, Long -103.568519°)  
Lea County, New Mexico**

To whom it may concern:

On behalf of EOG Resources Inc. (EOG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Redhills Rattlesnake Pipeline Riser. The site is located at 32.025343, -103.568519 within Unit M, S22, T26S, R33E, and in Lea County, New Mexico (Figures 1 and 2).

### **1.0 Site information and Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 8, 2022, caused by a ruptured gasket between a poly flange and steel valve. It resulted in releasing approximately fifty (50) barrels of produced water. A vacuum truck was dispatched to remove all freestanding fluids, recovering twenty (20) barrels of produced water. The impacted area measured is shown in Figure 3. The initial C-141 form is attached in Appendix C.

### **2.0 Site Characterization and Groundwater**

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known monitoring well is within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.47 miles East of the site in S22, T26S, R33E and was drilled in 2012. The well has a reported depth to groundwater of 110' feet below ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

#### **Initial Assessment**

On June 08, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of nine (9) samples points (S-1 through S-9) and eight



(8) horizontal points (H-1 through H-8) were installed to total depths ranging from surface to 2.0 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The sample locations are shown in Figure 3.

Vertical delineation was not achieved due to a dense rock formation, but horizontal delineation was achieved in all samples. Refer to Table 1.

### **5.0 Remediation Activities**

Carmona Resources personnel was onsite on July 11, 2022, to collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via email on July 6, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of S-1 through S-9 were excavated to a depth of 4.0' below the surface. A total of eighty-nine (89) confirmation floor samples were collected (CS-1 through CS-89), and thirty-two (32) sidewall samples (SW-1 through SW-32) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 3,680 cubic yards of material were excavated and transported offsite for proper disposal.

### **6.0 Conclusions**

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and EOG formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

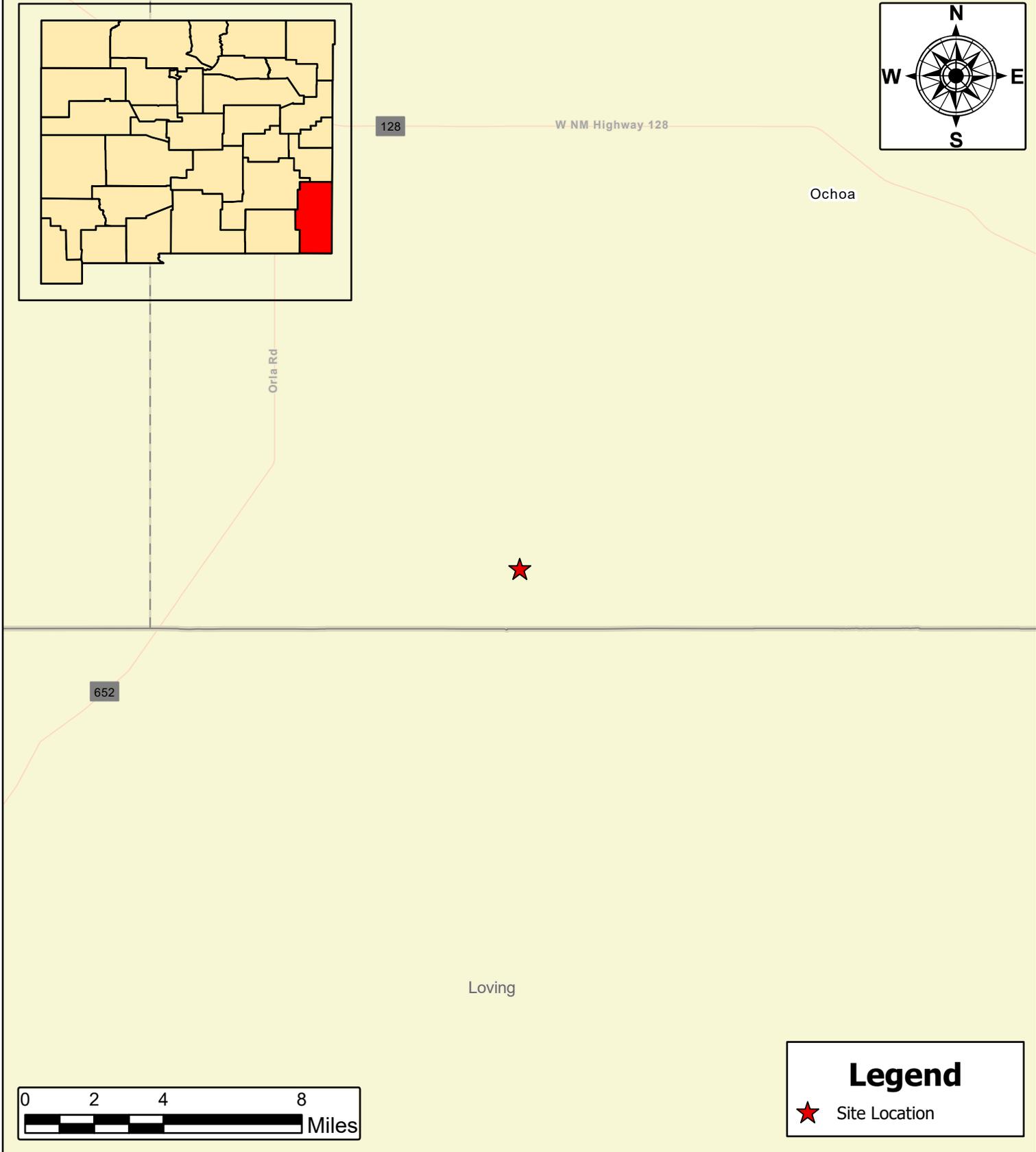
Conner Moehring  
Environmental Manager

Ashton Thielke  
Sr. Project Manager

# FIGURES

CARMONA RESOURCES





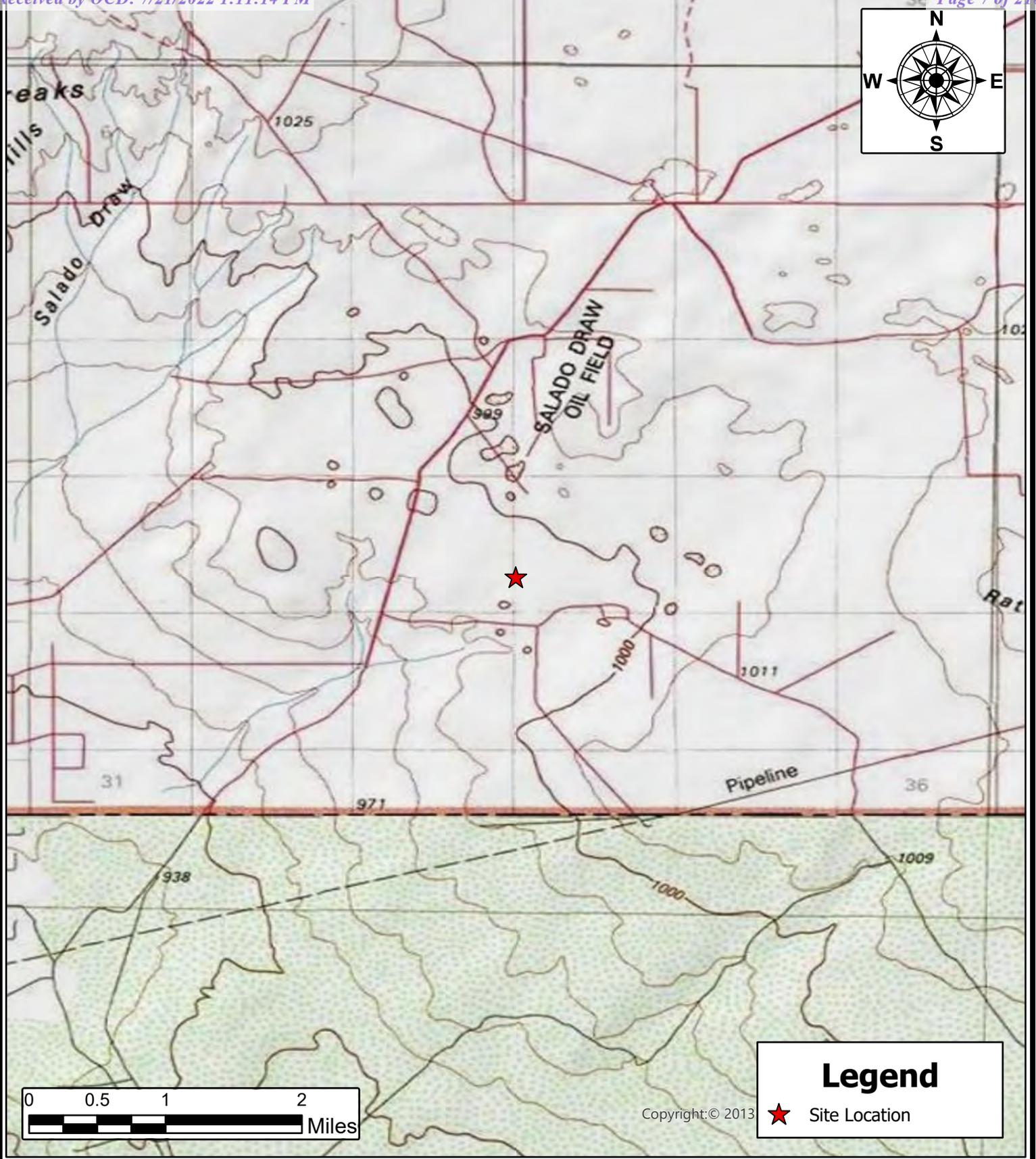
**OVERVIEW MAP  
EOG RESOURCES**  
 REDHILLS RATTLESNAKE PIPELINE RISER  
 LEA COUNTY, NEW MEXICO  
 32.025343, -103.568519

**CARMONA RESOURCES**  
  
**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

**NOTES:**  
 1. Base Image: ESRI Maps & Data 2013  
 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:  
**FIGURE 1**  
 SHEET NUMBER:  
**1 of 1**

SCALE: As Shown      Date: 7/12/2022



**Legend**

★ Site Location

Copyright: © 2013

**TOPOGRAPHIC MAP**  
**EOG RESOURCES**  
 REDHILLS RATTLESNAKE PIPELINE RISER  
 LEA COUNTY, NEW MEXICO  
 32.025343, -103.568519

SCALE: As Shown      Date: 7/12/2022

**CARMONA RESOURCES**

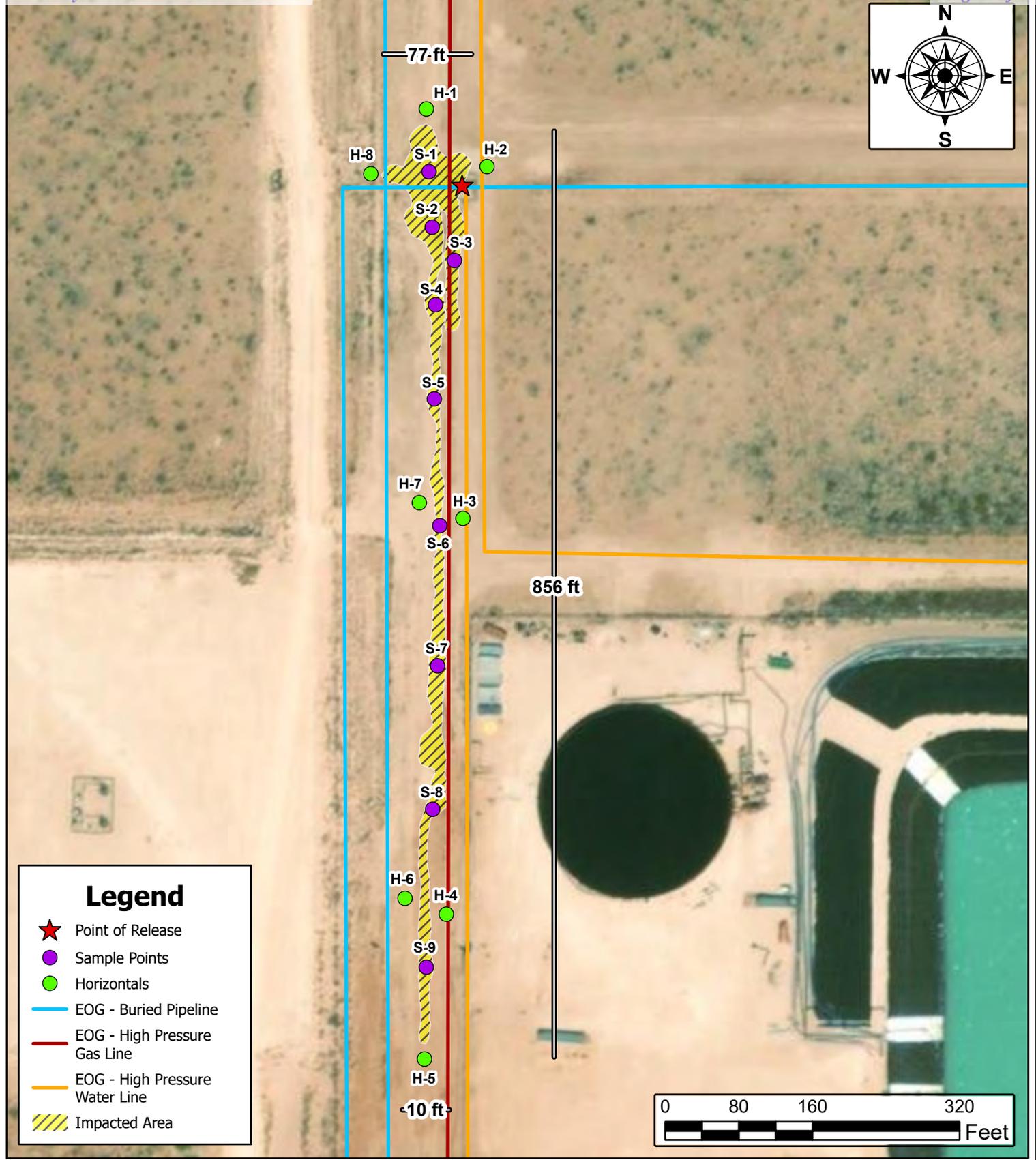
**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:  
**FIGURE 2**

SHEET NUMBER:  
**1 of 1**



**Legend**

- ★ Point of Release
- Sample Points
- Horizontals
- EOG - Buried Pipeline
- EOG - High Pressure Gas Line
- EOG - High Pressure Water Line
- ▨ Impacted Area

**SAMPLE LOCATION MAP**  
**EOG RESOURCES**  
 REDHILLS RATTLESNAKE PIPELINE RISER  
 LEA COUNTY, NEW MEXICO  
 32.025343, -103.568519

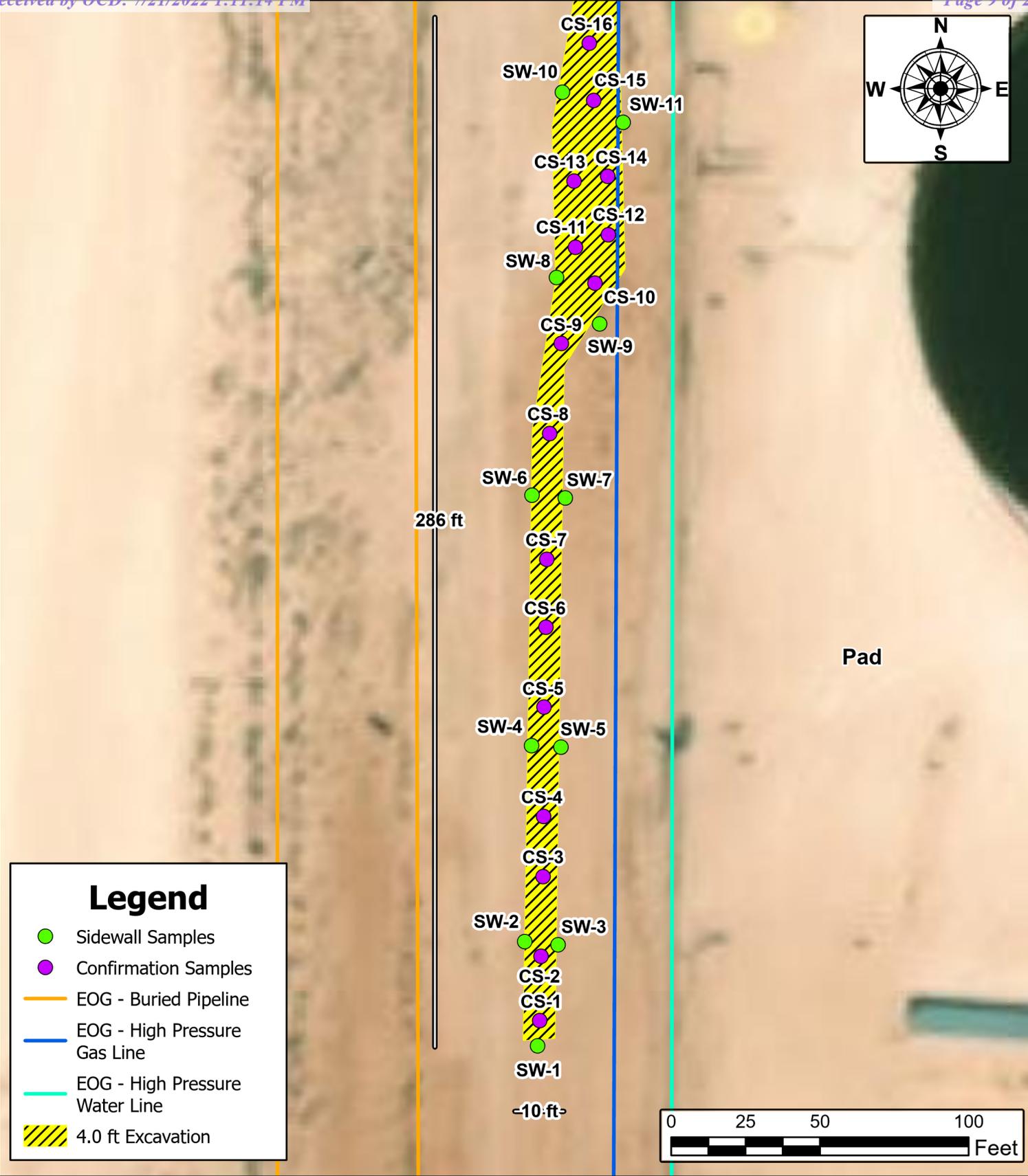
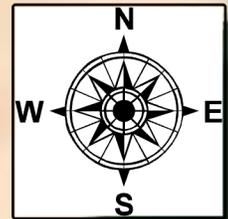
  
**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:  
**FIGURE 3**  
 SHEET NUMBER:  
**1 of 1**

SCALE: As Shown      Date: 7/13/2022



**Legend**

- Sidewall Samples
- Confirmation Samples
- EOG - Buried Pipeline
- EOG - High Pressure Gas Line
- EOG - High Pressure Water Line
- 4.0 ft Excavation

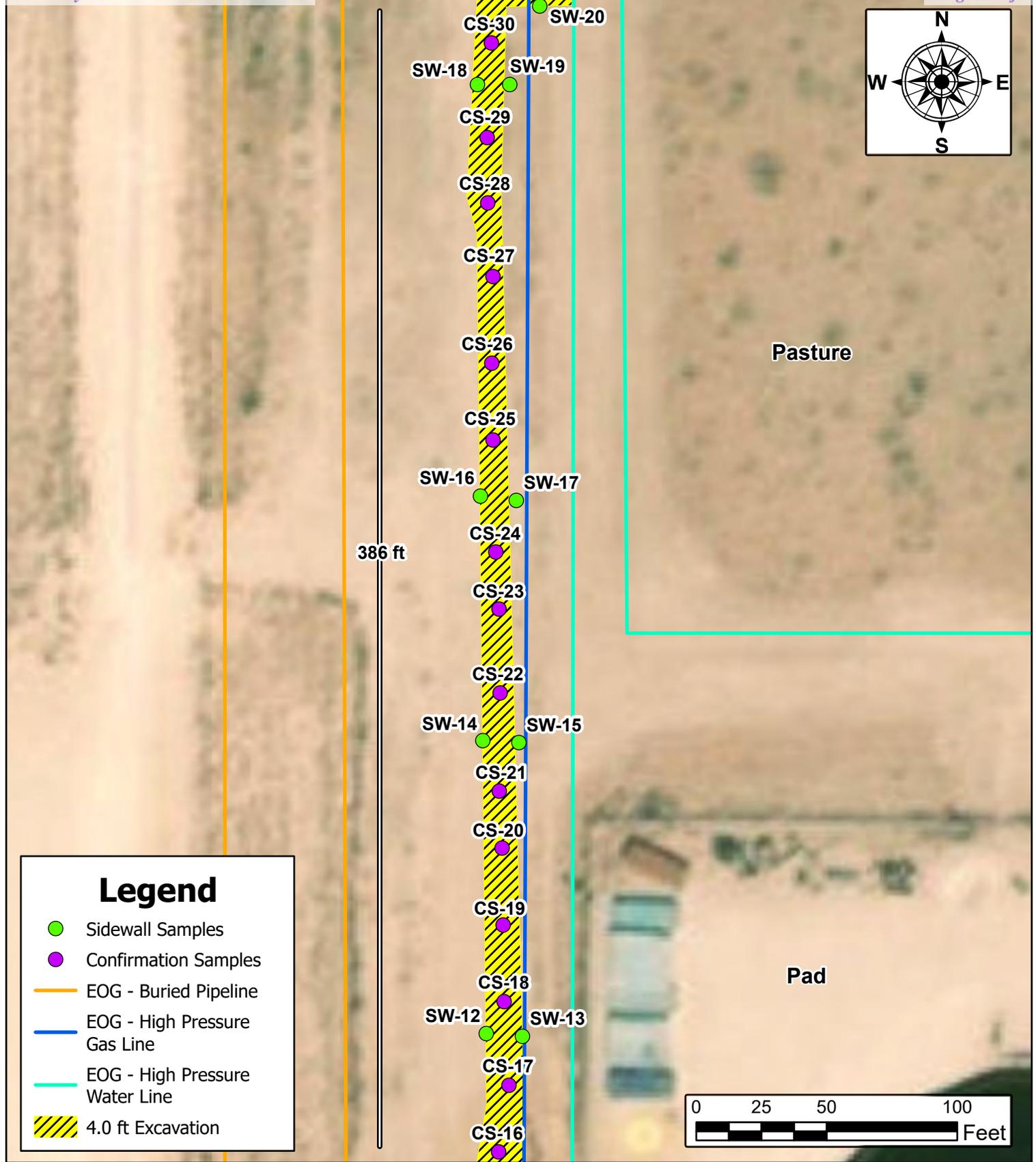
**EXCAVATION DEPTH MAP  
EOG RESOURCES**  
 REDHILLS RATTLESNAKE PIPELINE RISER  
 LEA COUNTY, NEW MEXICO  
 32.025343, -103.568519

  
**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

**NOTES:**  
 1. Base Image: ESRI Maps & Data 2013  
 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:  
**FIGURE 4**  
 SHEET NUMBER:  
**1 of 3**

SCALE: As Shown      Date: 7/19/2022



**EXCAVATION DEPTH MAP**  
**EOG RESOURCES**  
 REDHILLS RATTLESNAKE PIPELINE RISER  
 LEA COUNTY, NEW MEXICO  
 32.025343, -103.568519

SCALE: As Shown

Date: 7/13/2022

**CARMONA RESOURCES**

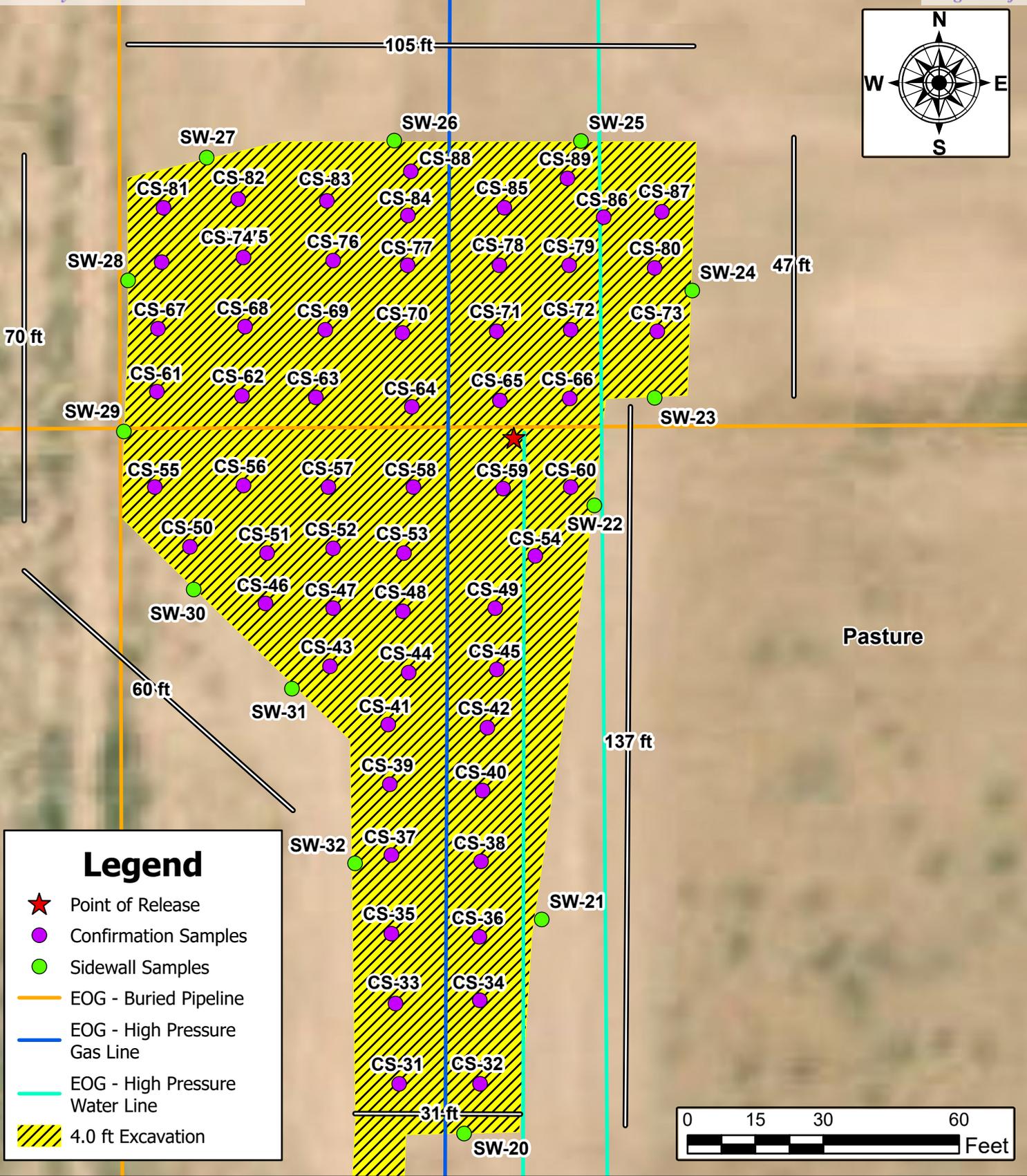
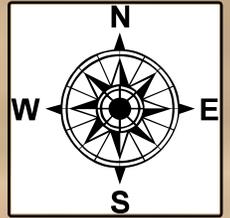
**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:  
**FIGURE 4**

SHEET NUMBER:  
**2 of 3**



**Legend**

- ★ Point of Release
- Confirmation Samples
- Sidewall Samples
- EOG - Buried Pipeline
- EOG - High Pressure Gas Line
- EOG - High Pressure Water Line
- ▨ 4.0 ft Excavation



**EXCAVATION DEPTH MAP**  
**EOG RESOURCES**  
 REDHILLS RATTLESNAKE PIPELINE RISER  
 LEA COUNTY, NEW MEXICO  
 32.025343, -103.568519

SCALE: As Shown      Date: 7/13/2022

CARMONA RESOURCES

**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:  
**FIGURE 4**

SHEET NUMBER:  
**3 of 3**

# APPENDIX A

CARMONA RESOURCES



**Table 1**  
**EOG**  
**Redhills Rattlesnake Pipeline Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	6/9/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,170
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	688
S-2	6/9/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,000
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,020
S-3	6/9/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,400
S-4	6/9/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,240
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
S-5	6/9/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,200
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	928
S-6	6/9/2022	0-1	<10.0	45.1	<10.0	45.1	<0.050	<0.050	<0.050	<0.150	<0.300	7,330
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,460
S-7	6/9/2022	0-1	<10.0	652	147	799	<0.050	<0.050	<0.050	<0.150	<0.300	2,400
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
S-8	6/9/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,040
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,080
S-9	6/9/2022	0-1	<10.0	22.3	<10.0	22.3	<0.050	<0.050	<0.050	<0.150	<0.300	3,200
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
H-1	6/9/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-2	6/9/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-3	6/9/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-4	6/9/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-5	6/9/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-6	6/9/2022	0-0.5	<10.0	45.1	25.7	70.8	<0.050	<0.050	<0.050	<0.150	<0.300	224
H-7	6/9/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-8	6/9/2022	0-0.5	<10.0	21.1	<10.0	21.1	<0.050	<0.050	<0.050	<0.150	<0.300	160
<b>Regulatory Criteria<sup>A</sup></b>			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg

(-) Not Analyzed

<sup>A</sup> - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) Horizontal

(S) Soil Sample

Removed

**Table 2**  
**EOG**  
**Redhills Rattlenake Pipeline Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			GRO	DRO	MRO	Total							
CS-1	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	944	
CS-2	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,120	
CS-3	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0	
CS-4	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0	
CS-5	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0	
CS-6	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144	
CS-7	7/12/2022	4.0	<10.0	11.3	<10.0	11.3	<0.050	<0.050	<0.050	<0.150	<0.300	112	
CS-8	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192	
CS-9	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0	
CS-10	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112	
CS-11	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0	
CS-12	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0	
CS-13	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144	
CS-14	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352	
CS-15	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192	
CS-16	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192	
CS-17	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176	
CS-18	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,380	
CS-19	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320	
CS-20	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384	
CS-21	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	656	
CS-22	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	800	
CS-23	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	736	
CS-24	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160	
CS-25	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384	
CS-26	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480	
CS-27	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272	
CS-28	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112	
CS-29	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	800	
CS-30	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0	
<b>Regulatory Criteria<sup>A</sup></b>			<b>1,000 mg/kg</b>		<b>-</b>	<b>2,500 mg/kg</b>		<b>10 mg/kg</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50 mg/kg</b>	<b>20,000 mg/kg</b>

(-) Not Analyzed

<sup>A</sup> - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

**Table 2**  
**EOG**  
**Redhills Rattlenake Pipeline Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-31	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-32	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-33	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-34	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-35	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-36	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	768
CS-37	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
CS-38	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-39	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-40	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-41	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-42	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	592
CS-43	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-44	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	960
CS-45	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,010
CS-46	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
CS-47	7/12/2022	4.0	<10.0	377	49.8	427	<0.050	<0.050	<0.050	<0.150	<0.300	1,780
CS-48	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-49	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-50	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-51	7/12/2022	4.0	<10.0	64.2	<10.0	64.2	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-52	7/12/2022	4.0	<10.0	398	54.8	453	<0.050	<0.050	<0.050	<0.150	<0.300	1,700
CS-53	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-54	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	592
CS-55	7/12/2022	4.0	<10.0	15.6	<10.0	15.6	<0.050	<0.050	<0.050	<0.150	<0.300	1,310
CS-56	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-57	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-58	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-59	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-60	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
<b>Regulatory Criteria<sup>A</sup></b>			<b>1,000 mg/kg</b>		<b>-</b>	<b>2,500 mg/kg</b>	<b>10 mg/kg</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50 mg/kg</b>	<b>20,000 mg/kg</b>

(-) Not Analyzed

<sup>A</sup> - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

**Table 2**  
**EOG**  
**Redhills Rattlenake Pipeline Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-61	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-62	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-63	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-64	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-65	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-66	7/12/2022	4.0	<10.0	23.1	<10.0	23.1	<0.050	<0.050	<0.050	<0.150	<0.300	1,220
CS-67	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-68	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
CS-69	7/12/2022	4.0	12.3	809	208	1,029	<0.050	<0.050	<0.050	<0.150	<0.300	1,330
CS-70	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-71	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	992
CS-72	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-73	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	768
CS-74	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-75	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	640
CS-76	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
CS-77	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-78	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	896
CS-79	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-80	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-81	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-82	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-83	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-84	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-85	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-86	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-87	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-88	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-89	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
<i>Regulatory Criteria<sup>A</sup></i>			1,000 mg/kg	-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg	

(-) Not Analyzed

<sup>A</sup> - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

**Table 2**  
**EOG**  
**Redhills Rattlenake Pipeline Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-2	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-5	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-6	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-7	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-8	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-9	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
SW-10	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
SW-11	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
SW-12	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
SW-13	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
SW-14	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
SW-15	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
SW-16	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
SW-17	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
SW-18	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-19	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
SW-20	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
SW-21	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-22	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
SW-23	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-24	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
SW-25	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
SW-26	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
SW-27	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
SW-28	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
SW-29	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
SW-30	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-31	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-32	7/12/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<b>Regulatory Criteria<sup>A</sup></b>			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg

(-) Not Analyzed

<sup>A</sup> - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall Sample

## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

## EOG Resources

### Photograph No. 1

**Facility:** Redhills Rattlesnake Pipeline Riser

**County:** Lea County, New Mexico

**Description:**  
View Northeast, area of Confirmation samples (1-16).

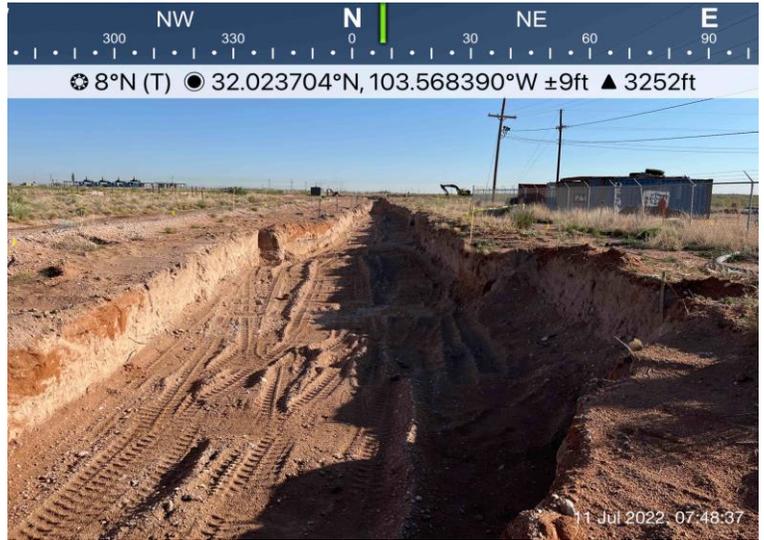


### Photograph No. 2

**Facility:** Redhills Rattlesnake Pipeline Riser

**County:** Lea County, New Mexico

**Description:**  
View North, area of Confirmation samples (16-28).

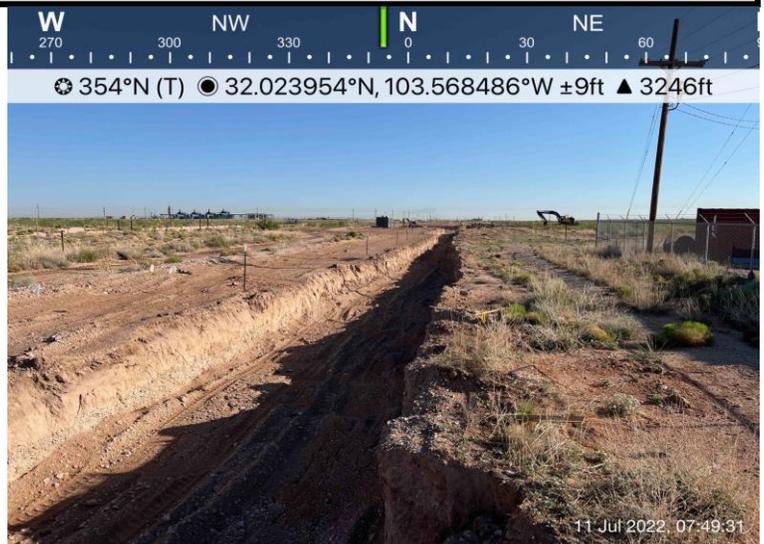


### Photograph No. 3

**Facility:** Redhills Rattlesnake Pipeline Riser

**County:** Lea County, New Mexico

**Description:**  
View North, area of Confirmation samples (16-28)



# PHOTOGRAPHIC LOG

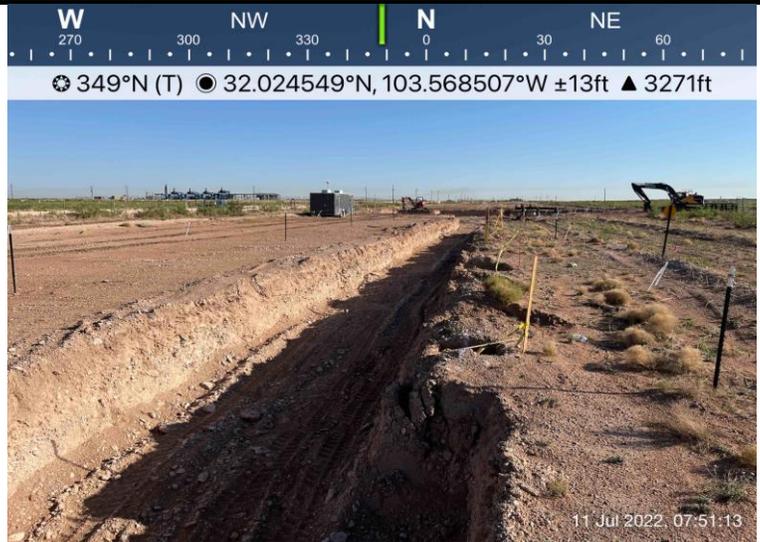
## EOG Resources

### Photograph No. 4

**Facility:** Redhills Rattlesnake Pipeline Riser

**County:** Lea County, New Mexico

**Description:**  
View North, area of Confirmation samples (28-30).



### Photograph No. 5

**Facility:** Redhills Rattlesnake Pipeline Riser

**County:** Lea County, New Mexico

**Description:**  
View North, area of Confirmation samples (30-60).



### Photograph No. 6

**Facility:** Redhills Rattlesnake Pipeline Riser

**County:** Lea County, New Mexico

**Description:**  
View North, area of Confirmation samples (31-89).



## APPENDIX C

CARMONA RESOURCES



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	nAPP2217349908
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name James Kennedy	Contact Telephone (432) 258-4346
Contact email James_Kennedy@eogresources.com	Incident # (assigned by OCD) nAPP2217349908
Contact mailing address 5509 Champions Drive Midland, TX 79706	

### Location of Release Source

Latitude 32.025375° Longitude -103.568533°  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name Redhills Rattlesnake Pipeline Riser	Site Type Produced Water Pipeline
Date Release Discovered 6/8/22	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	22	26S	33E	Lea

Surface Owner:  State  Federal  Tribal  Private (Name: Oliver Kiehne)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 50	Volume Recovered (bbls) 20
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Gasket between poly flange and steel valve ruptured. Approximately 50 bbls of produced water released and 20 bbls was recovered.

State of New Mexico  
Oil Conservation Division

Page 2

Incident ID	nAPP2217349908
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Quantity above 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? yes, James Kennedy, to <a href="mailto:ocd.enviro@state.nm.us">ocd.enviro@state.nm.us</a> , via email.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
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.
Printed Name: <u>James Kennedy</u> Title: <u>Environmental Specialist</u> Signature: <u></u> Date: <u>6-22-22</u> email: <u>James_Kennedy@eogresources.com</u> Telephone: <u>(432) 258-4346</u>
<b><u>OCD Only</u></b> Received by: <u>Jocelyn Harimon</u> Date: <u>06/22/2022</u>

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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> 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.

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: James Kennedy Date: 7/19/22

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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: James Kennedy Date: 7/19/22

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**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: Jennifer Nobui Date: 07/26/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

**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**

CONDITIONS

Action 119635

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 119635
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	6/22/2022

## Ashton Thielke

---

**From:** Mike Carmona  
**Sent:** Wednesday, July 6, 2022 8:56 AM  
**To:** OCD.Enviro@state.nm.us  
**Cc:** James Kennedy; Conner Moehring  
**Subject:** EOG Rattlesnake Riser Spill Sampling Notification

Good Morning,

On behalf of EOG, Carmona Resources will be collecting confirmation samples at the below-referenced site for the at-risk remediation on 07/11/22 around 8:00 a.m. Mountain Time. Please let me know if you have any questions.

EOG Rattlesnake Riser Spill  
Sec 22 T26S R33E Unit M  
32.025343°, -103.568519°  
Lea County, New Mexico

Mike J. Carmona  
310 West Wall Street, Suite 415  
Midland TX, 79701  
M: 432-813-1992  
[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)

CARMONA RESOURCES



## APPENDIX D

CARMONA RESOURCES

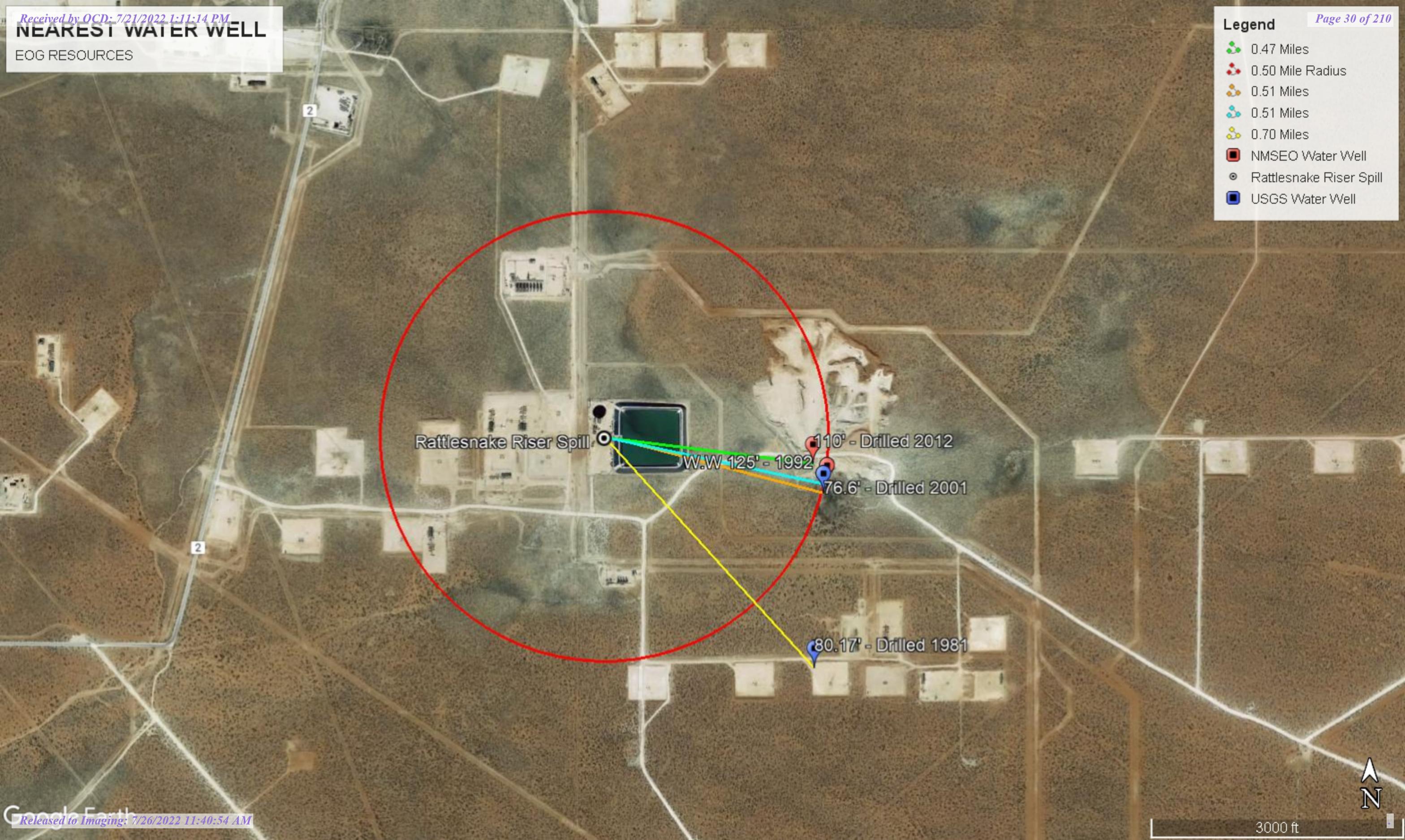


# NEAREST WATER WELL

EOG RESOURCES

**Legend**

- 0.47 Miles
- 0.50 Mile Radius
- 0.51 Miles
- 0.51 Miles
- 0.70 Miles
- NMSEO Water Well
- Rattlesnake Riser Spill
- USGS Water Well



Rattlesnake Riser Spill

W.W 125' - 1992

110' - Drilled 2012

76.6' - Drilled 2001

80.17' - Drilled 1981

2

2

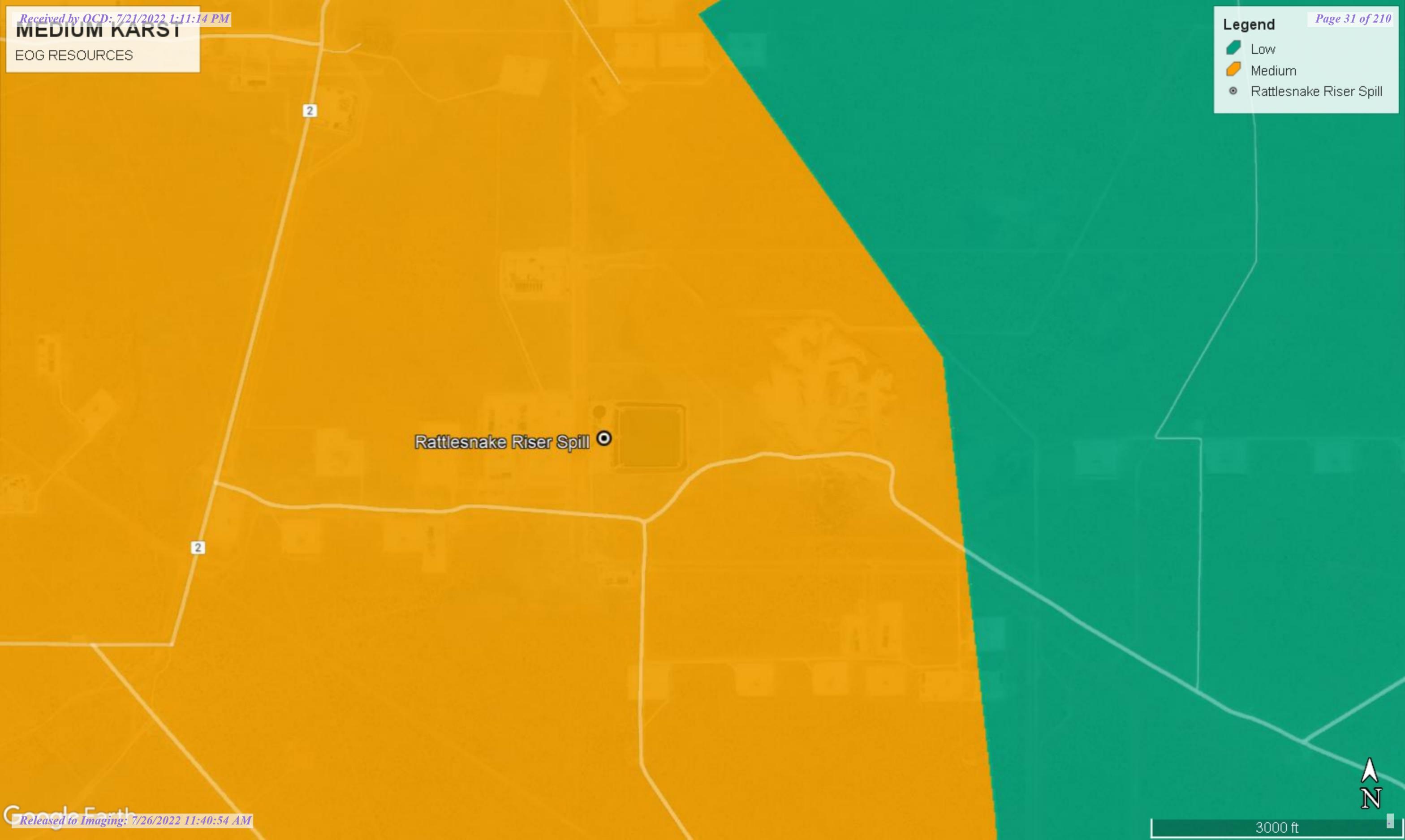


# MEDIUM KARST

EOG RESOURCES

**Legend**

- Low
- Medium
- Rattlesnake Riser Spill



Rattlesnake Riser Spill

2

2



3000 ft



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 03577 POD1</a>	CUB	LE		3	3	3	22	26S	33E	636010	3543771	759	750	110	640
<a href="#">C 03596 POD1</a>	C	LE		3	3	4	22	26S	33E	636017	3543756	768	225		
<a href="#">C 02270</a>	CUB	LE		1	1	2	27	26S	33E	636063	3543722	819	150	125	25
<a href="#">C 02273</a>	CUB	LE			1	2	21	26S	33E	634549	3545134*	1437	160	120	40
<a href="#">C 02293</a>	CUB	LE		2	2	1	14	26S	33E	637501	3546975	3818	200	135	65
<a href="#">C 02294</a>	CUB	LE		4	4	3	11	26S	33E	637465	3547003	3821	200	145	55

Average Depth to Water: **127 feet**  
 Minimum Depth: **110 feet**  
 Maximum Depth: **145 feet**

Record Count: 6

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 635258.7

**Northing (Y):** 3543883.4

**Radius:** 4000

\*UTM location was derived from PLSS - see Help

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# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
 (quarters are smallest to largest) (NAD83 UTM in meters)

<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	03577 POD1	3	3	3	22	26S	33E	636010	3543771

---

<b>Driller License:</b> 1654	<b>Driller Company:</b> NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC	
<b>Driller Name:</b>		
<b>Drill Start Date:</b> 11/19/2012	<b>Drill Finish Date:</b> 11/20/2012	<b>Plug Date:</b>
<b>Log File Date:</b> 12/11/2012	<b>PCW Rev Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b> 35 GPM
<b>Casing Size:</b> 6.00	<b>Depth Well:</b> 750 feet	<b>Depth Water:</b> 110 feet

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	95	150	Sandstone/Gravel/Conglomerate
	200	710	Sandstone/Gravel/Conglomerate

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>	
	180	200	
	690	750	

<b>Meter Number:</b> 16570	<b>Meter Make:</b> MASTERMETER
<b>Meter Serial Number:</b> 6985354	<b>Meter Multiplier:</b> 100.0000
<b>Number of Dials:</b> 6	<b>Meter Type:</b> Diversion
<b>Unit of Measure:</b> Gallons	<b>Return Flow Percent:</b>
<b>Usage Multiplier:</b>	<b>Reading Frequency:</b>

**Meter Readings (in Acre-Feet)**

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
04/01/2014	2014	123440	A	RPT		0
07/01/2014	2014	160772	A	RPT		11.457
10/01/2014	2014	193527	A	RPT		10.052
12/31/2014	2014	237836	A	RPT		13.598
02/01/2015	2015	247102	A	RPT		2.844
03/02/2015	2015	260095	A	RPT		3.987
04/01/2015	2015	268444	A	RPT		2.562
04/30/2015	2015	284991	A	RPT		5.078
05/31/2015	2015	296985	A	RPT		3.681
07/01/2015	2015	313077	A	RPT		4.938
08/01/2015	2015	321571	A	RPT		2.607
08/31/2015	2015	333738	A	RPT		3.734
10/01/2015	2015	340361	A	RPT		2.033

<b>**YTD Meter Amounts:</b>	<b>Year</b>	<b>Amount</b>
	2014	35.107
	2015	31.464



# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02270	1	1	2	27	26S	33E	636063	3543722

<b>Driller License:</b> 208	<b>Driller Company:</b> VAN NOY, W.L.	
<b>Driller Name:</b> UNKNOWN		
<b>Drill Start Date:</b> 08/28/1992	<b>Drill Finish Date:</b> 12/31/1910	<b>Plug Date:</b>
<b>Log File Date:</b> 10/28/1992	<b>PCW Rev Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b> 15 GPM
<b>Casing Size:</b> 8.00	<b>Depth Well:</b> 150 feet	<b>Depth Water:</b> 125 feet

Water Bearing Stratifications:	Top	Bottom	Description
	225	265	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	205	265

<b>Meter Number:</b> 16561	<b>Meter Make:</b> MASTERMETER
<b>Meter Serial Number:</b> 8112517	<b>Meter Multiplier:</b> 100.0000
<b>Number of Dials:</b> 6	<b>Meter Type:</b> Diversion
<b>Unit of Measure:</b> Gallons	<b>Return Flow Percent:</b>
<b>Usage Multiplier:</b>	<b>Reading Frequency:</b>

**Meter Readings (in Acre-Feet)**

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
04/01/2014	2014	132970	A	RPT		0
07/01/2014	2014	145195	A	RPT		3.752
10/01/2014	2014	153126	A	RPT		2.434
12/31/2014	2014	153126	A	RPT		0
02/01/2015	2015	153126	A	RPT		0
03/01/2015	2015	153126	A	RPT		0
04/01/2015	2015	153126	A	RPT		0
05/01/2015	2015	153126	A	RPT		0
05/31/2015	2015	153126	A	RPT		0
07/01/2015	2015	153126	A	RPT		0
08/01/2015	2015	153126	A	RPT		0
10/01/2015	2015	153216	A	RPT		0.028

**YTD Meter Amounts:	Year	Amount
	2014	6.186
	2015	0.028

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Agency code = usgs  
 site\_no list = 

- 320059103333501

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

**USGS 320059103333501 26S.33E.27.21112**

Lea County, New Mexico  
 Latitude 32°01'16.0", Longitude 103°33'33.9" NAD83  
 Land-surface elevation 3,252.00 feet above NGVD29  
 The depth of the well is 200 feet below land surface.  
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
 This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1954-07-26			D 62610		3172.29	NGVD29	1		Z	
1954-07-26			D 62611		3173.87	NAVD88	1		Z	
1954-07-26			D 72019	79.71			1		Z	
1976-01-08			D 62610		3175.48	NGVD29	1		Z	
1976-01-08			D 62611		3177.06	NAVD88	1		Z	
1976-01-08			D 72019	76.52			1		Z	
1986-03-04			D 62610		3174.86	NGVD29	1		Z	
1986-03-04			D 62611		3176.44	NAVD88	1		Z	
1986-03-04			D 72019	77.14			1		Z	
1990-11-27			D 62610		3175.46	NGVD29	1		Z	
1990-11-27			D 62611		3177.04	NAVD88	1		Z	
1990-11-27			D 72019	76.54			1		Z	
1996-03-05			D 62610		3174.61	NGVD29	1		S	
1996-03-05			D 62611		3176.19	NAVD88	1		S	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measu
1996-03-05		D	72019	77.39			1	S		
2001-02-27		D	62610		3175.40	NGVD29	1	S		
2001-02-27		D	62611		3176.98	NAVD88	1	S		
2001-02-27		D	72019	76.60			1	S		
2013-01-16	18:30 UTC	m	62610			NGVD29	0	S		USGS
2013-01-16	18:30 UTC	m	62611			NAVD88	0	S		USGS
2013-01-16	18:30 UTC	m	72019				0	S		USGS
2013-02-14	15:50 UTC	m	62610			NGVD29	6	S		USGS
2013-02-14	15:50 UTC	m	62611			NAVD88	6	S		USGS
2013-02-14	15:50 UTC	m	72019				6	S		USGS

Explanation

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

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**Title: Groundwater for New Mexico: Water Levels**

**URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320059103333501&agency_cd=USGS&format=html)**



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-06-09 17:51:31 EDT

0.28 0.23 nadww02



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Agency code = usgs  
site\_no list = 320056103333501

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

USGS 320056103333501 26S.33E.27.21132

Lea County, New Mexico  
Latitude 32°00'56", Longitude 103°33'35" NAD27  
Land-surface elevation 3,273 feet above NAVD88  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measu
1970-12-07			D 62610		3195.49	NGVD29	1		Z	
1970-12-07			D 62611		3197.07	NAVD88	1		Z	
1970-12-07			D 72019	75.93			1		Z	
1976-01-08			D 62610		3195.65	NGVD29	1		Z	
1976-01-08			D 62611		3197.23	NAVD88	1		Z	
1976-01-08			D 72019	75.77			1		Z	
1981-03-25			D 62610		3191.25	NGVD29	1		Z	
1981-03-25			D 62611		3192.83	NAVD88	1		Z	
1981-03-25			D 72019	80.17			1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

6/9/22, 4:30 PM

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

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title: Groundwater for New Mexico: Water Levels**

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

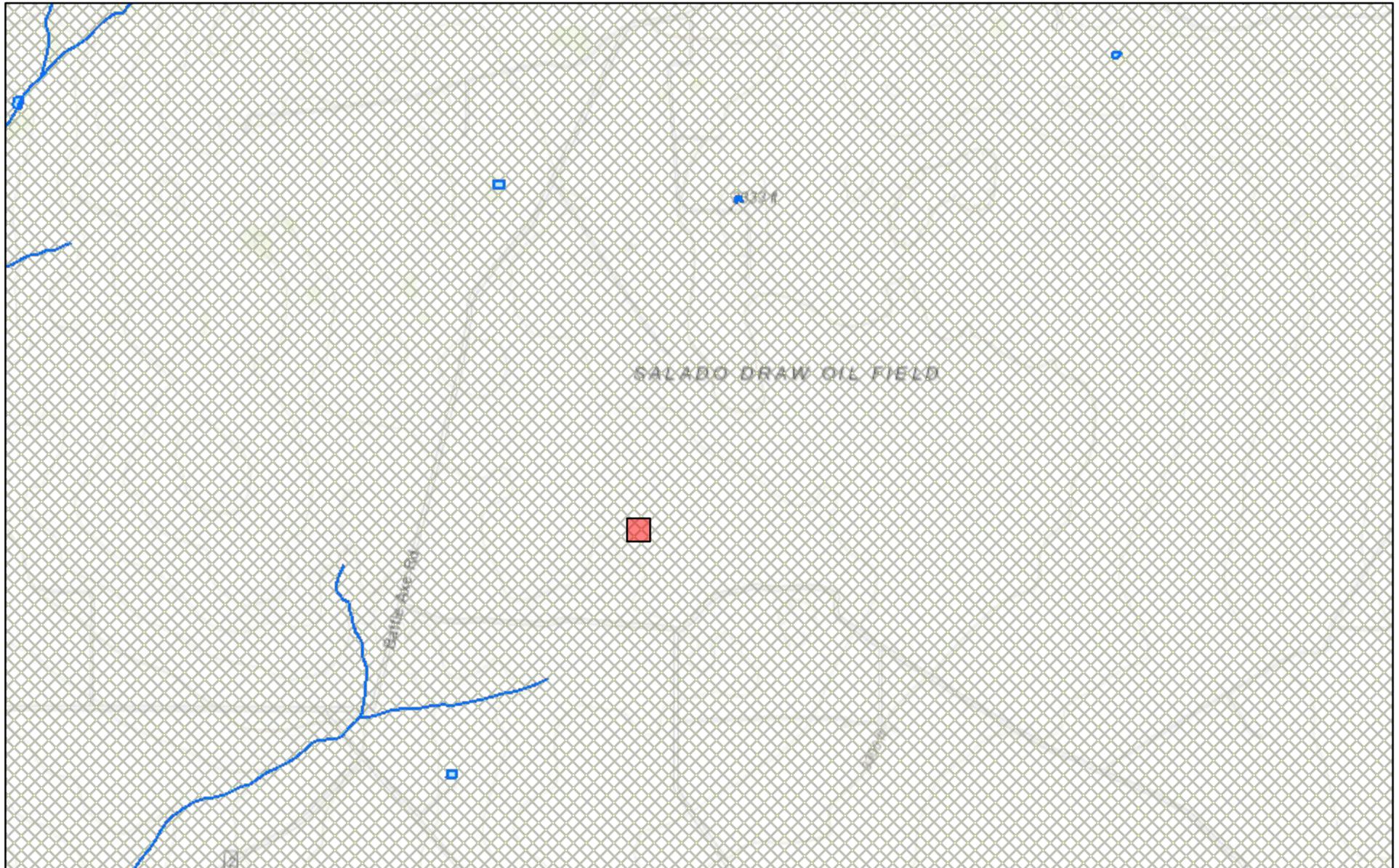


Page Contact Information: [New Mexico Water Data Maintainer](#)

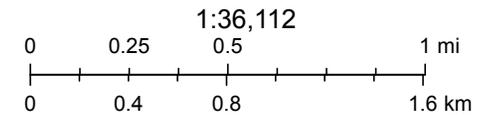
Page Last Modified: 2022-06-09 17:50:02 EDT

0.3 0.26 nadww02

# New Mexico NFHL Data



June 9, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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# APPENDIX E

CARMONA RESOURCES





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

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June 10, 2022

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

RE: RATTLESNAKE RISER RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/09/22 12:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 1 ( 0-1' ) (H222466-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	06/10/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 69.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.7 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 1 ( 1.5' ) (H222466-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/10/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 79.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 1 ( 2' ) (H222466-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	06/10/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 69.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 2 ( 0-1' ) (H222466-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	06/10/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 77.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 2 ( 1.5' ) (H222466-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2020	16.0	06/10/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 3 ( 0-1' ) (H222466-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	06/10/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 72.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 4 ( 0-1' ) (H222466-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	06/10/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 93.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.6 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 4 ( 1.5' ) (H222466-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 75.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 5 ( 0-1' ) (H222466-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 5 ( 1.5' ) (H222466-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 81.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.6 % 59.5-142

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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 6 ( 0-1' ) (H222466-11)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>7330</b>	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
<b>DRO &gt;C10-C28*</b>	<b>45.1</b>	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 78.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.2 % 59.5-142

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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 6 ( 1.5' ) (H222466-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>9460</b>	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
<b>DRO &gt;C10-C28*</b>	<b>652</b>	10.0	06/09/2022	ND	208	104	200	2.47	
<b>EXT DRO &gt;C28-C36</b>	<b>147</b>	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 7 ( 0-1' ) (H222466-13)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.2 % 59.5-142

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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 7 ( 1.5' ) (H222466-14)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01		
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44		
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99		
Total BTEX	<0.300	0.300	06/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/10/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35		
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47		
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND						

Surrogate: 1-Chlorooctane 76.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.8 % 59.5-142

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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 8 ( 0-1' ) (H222466-15)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01		
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44		
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99		
Total BTEX	<0.300	0.300	06/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	06/10/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35		
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47		
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND						

Surrogate: 1-Chlorooctane 83.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.4 % 59.5-142

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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 8 ( 1.5' ) (H222466-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 79.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 9 ( 0-1' ) (H222466-17)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01		
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44		
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99		
Total BTEX	<0.300	0.300	06/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>3200</b>	16.0	06/10/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35		
<b>DRO &gt;C10-C28*</b>	<b>22.3</b>	10.0	06/09/2022	ND	208	104	200	2.47		
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND						

Surrogate: 1-Chlorooctane 76.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: S - 9 ( 1.5' ) (H222466-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 82.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 1 ( 0-0.5' ) (H222466-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 2 ( 0-0.5' ) (H222466-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.07	104	2.00	3.01	
Toluene*	<0.050	0.050	06/09/2022	ND	2.08	104	2.00	2.85	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	1.94	97.1	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.07	101	6.00	1.99	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	197	98.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 3 ( 0-0.5' ) (H222466-21)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.16	108	2.00	3.02	
Toluene*	<0.050	0.050	06/09/2022	ND	2.13	107	2.00	3.56	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	2.06	103	2.00	3.30	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.40	107	6.00	3.10	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	190	94.8	200	4.81	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	194	96.9	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 4 ( 0-0.5' ) (H222466-22)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.16	108	2.00	3.02	
Toluene*	<0.050	0.050	06/09/2022	ND	2.13	107	2.00	3.56	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	2.06	103	2.00	3.30	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.40	107	6.00	3.10	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	190	94.8	200	4.81	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	194	96.9	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 5 ( 0-0.5' ) (H222466-23)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.16	108	2.00	3.02	
Toluene*	<0.050	0.050	06/09/2022	ND	2.13	107	2.00	3.56	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	2.06	103	2.00	3.30	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.40	107	6.00	3.10	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	190	94.8	200	4.81	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	194	96.9	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 96.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.4 % 59.5-142

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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 6 ( 0-0.5' ) (H222466-24)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.16	108	2.00	3.02	
Toluene*	<0.050	0.050	06/09/2022	ND	2.13	107	2.00	3.56	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	2.06	103	2.00	3.30	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.40	107	6.00	3.10	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>224</b>	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	190	94.8	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>45.1</b>	10.0	06/09/2022	ND	194	96.9	200	2.10	
<b>EXT DRO &gt;C28-C36</b>	<b>25.7</b>	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 97.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 7 ( 0-0.5' ) (H222466-25)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.16	108	2.00	3.02	
Toluene*	<0.050	0.050	06/09/2022	ND	2.13	107	2.00	3.56	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	2.06	103	2.00	3.30	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.40	107	6.00	3.10	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	190	94.8	200	4.81	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	194	96.9	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/09/2022	Sampling Date:	06/09/2022
Reported:	06/10/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	** (See Notes)
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 8 ( 0-0.5' ) (H222466-26)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2022	ND	2.16	108	2.00	3.02	
Toluene*	<0.050	0.050	06/09/2022	ND	2.13	107	2.00	3.56	
Ethylbenzene*	<0.050	0.050	06/09/2022	ND	2.06	103	2.00	3.30	
Total Xylenes*	<0.150	0.150	06/09/2022	ND	6.40	107	6.00	3.10	
Total BTEX	<0.300	0.300	06/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>160</b>	16.0	06/10/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2022	ND	190	94.8	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>21.1</b>	10.0	06/09/2022	ND	194	96.9	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 90.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.9 % 59.5-142

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





Chain of Custody

Work Order No: \_\_\_\_\_

Page 3 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 West Wall St. Suite 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-5347	Email:	James.Kennedy@eogresources.com

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

Project Name:	Rattlesnake Riser Release	Turn Around		Pres. Code	ANALYSIS REQUEST	Preservative Codes		
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush					
Project Number:	1073	Due Date: 24HRS				None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NasO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC		
Project Location:	Lea Co, NM							
Sampler's Name:	CRM							
PO #:								
<b>SAMPLE RECEIPT</b>		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.5%					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	17.9					
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	17.4					
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters	Sample Comments
H-3 (0-0.5')	6/9/2022		X		Grab/	1	BTEX 8021B	
H-4 (0-0.5')	6/9/2022		X		Grab/	1	TPH 8015M ( GRO + DRO + MRO)	
H-5 (0-0.5')	6/9/2022		X		Grab/	1	Chloride 4500	
H-6 (0-0.5')	6/9/2022		X		Grab/	1		
H-7 (0-0.5')	6/9/2022		X		Grab/	1		
H-8 (0-0.5')	6/9/2022		X		Grab/	1		

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Commer Moehring / Cmoehring@carmonaresources.com, Ashton Thielke Athielke@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	6/9/22 1240	<i>[Signature]</i>	6-9-22 1240



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

---

July 13, 2022

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

RE: RATTLESNAKE RISER RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/12/22 13:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 1 (4') (H222988-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69	
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 76.0 % 43-149

Surrogate: 1-Chlorooctadecane 83.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 2 (4') (H222988-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69		
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93		
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72		
Total BTEX	<0.300	0.300	07/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	07/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 75.4 % 43-149

Surrogate: 1-Chlorooctadecane 82.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 3 (4') (H222988-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69		
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93		
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72		
Total BTEX	<0.300	0.300	07/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 76.1 % 43-149

Surrogate: 1-Chlorooctadecane 83.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 4 (4') (H222988-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69	
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 70.8 % 43-149

Surrogate: 1-Chlorooctadecane 76.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 5 (4') (H222988-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69	
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 71.5 % 43-149

Surrogate: 1-Chlorooctadecane 76.1 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 6 (4') (H222988-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69	
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 69.6 % 43-149

Surrogate: 1-Chlorooctadecane 75.0 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 7 (4') (H222988-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69		
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93		
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72		
Total BTEX	<0.300	0.300	07/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>112</b>	16.0	07/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410		
<b>DRO &gt;C10-C28*</b>	<b>11.3</b>	10.0	07/13/2022	ND	194	97.1	200	0.756		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 73.8 % 43-149

Surrogate: 1-Chlorooctadecane 81.3 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 8 (4') (H222988-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69	
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 70.2 % 43-149

Surrogate: 1-Chlorooctadecane 76.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 9 (4') (H222988-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69	
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 68.6 % 43-149

Surrogate: 1-Chlorooctadecane 76.3 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 10 (4') (H222988-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69	
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 72.4 % 43-149

Surrogate: 1-Chlorooctadecane 78.3 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 11 (4') (H222988-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69	
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 70.6 % 43-149

Surrogate: 1-Chlorooctadecane 76.9 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 12 (4') (H222988-12)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69	
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 75.2 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 13 (4') (H222988-13)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69	
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 69.8 % 43-149

Surrogate: 1-Chlorooctadecane 75.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 14 (4') (H222988-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69	
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 68.9 % 43-149

Surrogate: 1-Chlorooctadecane 74.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 15 (4') (H222988-15)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69	
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 65.9 % 43-149

Surrogate: 1-Chlorooctadecane 73.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 16 (4') (H222988-16)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.87	93.5	2.00	3.69	
Toluene*	<0.050	0.050	07/12/2022	ND	2.04	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.15	107	2.00	2.93	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.56	109	6.00	2.72	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 64.7 % 43-149

Surrogate: 1-Chlorooctadecane 69.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 17 (4') (H222988-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/12/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 79.0 % 43-149

Surrogate: 1-Chlorooctadecane 84.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 18 (4') (H222988-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/12/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 80.4 % 43-149

Surrogate: 1-Chlorooctadecane 86.3 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 19 (4') (H222988-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/12/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 71.3 % 43-149

Surrogate: 1-Chlorooctadecane 76.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 20 (4') (H222988-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/12/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>384</b>	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	191	95.5	200	0.410	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	194	97.1	200	0.756	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 62.3 % 43-149

Surrogate: 1-Chlorooctadecane 67.7 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 21 (4') (H222988-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 88.6 % 43-149

Surrogate: 1-Chlorooctadecane 85.8 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 22 (4') (H222988-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 23 (4') (H222988-23)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 43-149

Surrogate: 1-Chlorooctadecane 81.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 24 (4') (H222988-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 76.5 % 43-149

Surrogate: 1-Chlorooctadecane 73.1 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 25 (4') (H222988-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 83.9 % 43-149

Surrogate: 1-Chlorooctadecane 81.2 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 26 (4') (H222988-26)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 43-149

Surrogate: 1-Chlorooctadecane 82.9 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 27 (4') (H222988-27)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 85.8 % 43-149

Surrogate: 1-Chlorooctadecane 81.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 28 (4') (H222988-28)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 82.7 % 43-149

Surrogate: 1-Chlorooctadecane 77.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 29 (4') (H222988-29)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	07/13/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 89.9 % 43-149

Surrogate: 1-Chlorooctadecane 84.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 30 (4') (H222988-30)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61		
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/13/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 93.2 % 43-149

Surrogate: 1-Chlorooctadecane 88.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 31 (4') (H222988-31)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61		
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/13/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 89.8 % 43-149

Surrogate: 1-Chlorooctadecane 84.5 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 32 (4') (H222988-32)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 82.0 % 43-149

Surrogate: 1-Chlorooctadecane 78.5 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 33 (4') (H222988-33)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 78.6 % 43-149

Surrogate: 1-Chlorooctadecane 73.8 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 34 (4') (H222988-34)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 71.0 % 43-149

Surrogate: 1-Chlorooctadecane 67.2 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 35 (4') (H222988-35)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 76.4 % 43-149

Surrogate: 1-Chlorooctadecane 72.1 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 36 (4') (H222988-36)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.0	2.00	2.61	
Toluene*	<0.050	0.050	07/13/2022	ND	2.14	107	2.00	2.70	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.25	113	2.00	2.75	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.91	115	6.00	1.94	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 78.2 % 43-149

Surrogate: 1-Chlorooctadecane 73.7 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 37 (4') (H222988-37)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.94	97.2	2.00	12.5	QM-07
Toluene*	<0.050	0.050	07/12/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 91.5 % 43-149

Surrogate: 1-Chlorooctadecane 85.5 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 38 (4') (H222988-38)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 43-149

Surrogate: 1-Chlorooctadecane 91.3 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 39 (4') (H222988-39)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 43-149

Surrogate: 1-Chlorooctadecane 86.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 40 (4') (H222988-40)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	220	110	200	3.34	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	239	119	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 43-149

Surrogate: 1-Chlorooctadecane 90.2 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 41 (4') (H222988-41)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 42 (4') (H222988-42)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 68.5 % 43-149

Surrogate: 1-Chlorooctadecane 83.2 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 43 (4') (H222988-43)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 75.9 % 43-149

Surrogate: 1-Chlorooctadecane 92.8 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 44 (4') (H222988-44)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 89.2 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 45 (4') (H222988-45)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 68.8 % 43-149

Surrogate: 1-Chlorooctadecane 84.4 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 46 (4') (H222988-46)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 68.1 % 43-149

Surrogate: 1-Chlorooctadecane 82.0 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 47 (4') (H222988-47)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1780</b>	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
<b>DRO &gt;C10-C28*</b>	<b>377</b>	10.0	07/12/2022	ND	223	112	200	2.70	
<b>EXT DRO &gt;C28-C36</b>	<b>49.8</b>	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 76.4 % 43-149

Surrogate: 1-Chlorooctadecane 91.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 48 (4') (H222988-48)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 74.0 % 43-149

Surrogate: 1-Chlorooctadecane 89.4 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 49 (4') (H222988-49)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 70.6 % 43-149

Surrogate: 1-Chlorooctadecane 85.0 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 50 (4') (H222988-50)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 79.4 % 43-149

Surrogate: 1-Chlorooctadecane 95.4 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 51 (4') (H222988-51)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>288</b>	16.0	07/13/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
<b>DRO &gt;C10-C28*</b>	<b>64.2</b>	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 52 (4') (H222988-52)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1700	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	398	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	54.8	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 74.7 % 43-149

Surrogate: 1-Chlorooctadecane 85.2 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 53 (4') (H222988-53)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 81.7 % 43-149

Surrogate: 1-Chlorooctadecane 95.8 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 54 (4') (H222988-54)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 43-149

Surrogate: 1-Chlorooctadecane 91.4 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 55 (4') (H222988-55)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1310</b>	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
<b>DRO &gt;C10-C28*</b>	<b>15.6</b>	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 77.3 % 43-149

Surrogate: 1-Chlorooctadecane 92.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 56 (4') (H222988-56)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.94	97.2	2.00	12.5	
Toluene*	<0.050	0.050	07/13/2022	ND	2.12	106	2.00	12.9	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.23	111	2.00	13.6	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.85	114	6.00	14.4	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 69.2 % 43-149

Surrogate: 1-Chlorooctadecane 82.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 57 (4') (H222988-57)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 64.8 % 43-149

Surrogate: 1-Chlorooctadecane 77.2 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 58 (4') (H222988-58)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 69.9 % 43-149

Surrogate: 1-Chlorooctadecane 78.6 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 59 (4') (H222988-59)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 57.6 % 43-149

Surrogate: 1-Chlorooctadecane 66.3 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 60 (4') (H222988-60)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	214	107	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	223	112	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 72.1 % 43-149

Surrogate: 1-Chlorooctadecane 83.9 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 61 (4') (H222988-61)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 75.8 % 43-149

Surrogate: 1-Chlorooctadecane 86.6 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 62 (4') (H222988-62)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 81.8 % 43-149

Surrogate: 1-Chlorooctadecane 91.5 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 63 (4') (H222988-63)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 83.9 % 43-149

Surrogate: 1-Chlorooctadecane 96.1 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 64 (4') (H222988-64)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 43-149

Surrogate: 1-Chlorooctadecane 95.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 65 (4') (H222988-65)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 43-149

Surrogate: 1-Chlorooctadecane 94.2 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 66 (4') (H222988-66)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1220</b>	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
<b>DRO &gt;C10-C28*</b>	<b>23.1</b>	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 43-149

Surrogate: 1-Chlorooctadecane 95.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 67 (4') (H222988-67)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 77.0 % 43-149

Surrogate: 1-Chlorooctadecane 87.7 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 68 (4') (H222988-68)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 78.1 % 43-149

Surrogate: 1-Chlorooctadecane 88.9 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 69 (4') (H222988-69)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	GC-NC
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1330</b>	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>12.3</b>	10.0	07/13/2022	ND	205	102	200	2.87	
<b>DRO &gt;C10-C28*</b>	<b>809</b>	10.0	07/13/2022	ND	209	105	200	5.32	
<b>EXT DRO &gt;C28-C36</b>	<b>208</b>	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 87.0 % 43-149

Surrogate: 1-Chlorooctadecane 120 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 70 (4') (H222988-70)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 83.3 % 43-149

Surrogate: 1-Chlorooctadecane 95.3 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 81 (4') (H222988-71)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 43-149

Surrogate: 1-Chlorooctadecane 93.1 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 82 (4') (H222988-72)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 80.8 % 43-149

Surrogate: 1-Chlorooctadecane 92.0 % 42.5-161

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 83 (4') (H222988-73)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 43-149

Surrogate: 1-Chlorooctadecane 93.9 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 84 (4') (H222988-74)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 43-149

Surrogate: 1-Chlorooctadecane 94.2 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 85 (4') (H222988-75)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782		
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	07/13/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 75.7 % 43-149

Surrogate: 1-Chlorooctadecane 86.5 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 86 (4') (H222988-76)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.95	97.3	2.00	0.782	
Toluene*	<0.050	0.050	07/13/2022	ND	2.15	107	2.00	0.779	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.26	113	2.00	0.763	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.98	116	6.00	0.371	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 80.3 % 43-149

Surrogate: 1-Chlorooctadecane 91.2 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 87 (4') (H222988-77)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 81.2 % 43-149

Surrogate: 1-Chlorooctadecane 91.7 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 88 (4') (H222988-78)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 43-149

Surrogate: 1-Chlorooctadecane 89.0 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 89 (4') (H222988-79)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 76.9 % 43-149

Surrogate: 1-Chlorooctadecane 87.0 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 1 (4') (H222988-80)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	205	102	200	2.87	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	209	105	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 72.0 % 43-149

Surrogate: 1-Chlorooctadecane 81.7 % 42.5-161

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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H222988

Page 1 of 12

Project Manager:	Ashton Thielke	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 West Wall St, Suite 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-5347	Email:	James.Kennedy@eogresources.com

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

Project Name:	Rattlesnake Riser Release	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	24HRS
Project Number:	1073	Lea Co. NM	CCM/AT		
Project Location:					
Sampler's Name:					
PO #:					
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113		BTEX 8021B
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:	-0.162		TPH 8015M ( GRO + DRO + MRO)
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:	2.12		Chloride 4500
Total Containers:		Corrected Temperature:	1.52		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-1 (4')	7/11/2022		X		Comp	1		None: NO	DI Water: H <sub>2</sub> O
CS-2 (4')	7/11/2022		X		Comp	1		Cool: Cool	MeOH: Me
CS-3 (4')	7/11/2022		X		Comp	1		HCL: HC	HNO <sub>3</sub> : HN
CS-4 (4')	7/11/2022		X		Comp	1		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
CS-5 (4')	7/11/2022		X		Comp	1		H <sub>3</sub> PO <sub>4</sub> : HP	
CS-6 (4')	7/11/2022		X		Comp	1		NaHSO <sub>4</sub> : NABIS	
CS-7 (4')	7/11/2022		X		Comp	1		Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NASO <sub>5</sub>	
CS-8 (4')	7/11/2022		X		Comp	1		Zn Acetate+NaOH: Zn	
CS-9 (4')	7/11/2022		X		Comp	1		NaOH+Ascorbic Acid: SAPC	
CS-10 (4')	7/11/2022		X		Comp	1			

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com, Ashton Thielke Athielke@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Ashton Thielke</i>		<i>James Kennedy</i>	7-12-22 1337

Chain of Custody

Work Order No: A222988

Page 2 of 12

Project Manager:	Ashton Thielke	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 West Wall St. Suite 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-5347	Email:	James_Kennedy@eogresources.com

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

Project Name:	Rattlesnake Riser Release	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST		Preservative Codes
Project Number:	1073	Due Date:	24HRS					None: NO DI Water: H <sub>2</sub> O
Project Location	Lea Co. NIM							Cool: Cool MeOH: Me
Sampler's Name:	CCM/AT							HCL: HC HNO <sub>3</sub> : HN
PO #:								H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				H <sub>3</sub> PO <sub>4</sub> : HP
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Thermometer ID:	Correction Factor:	Temperature Reading:				NaHSO <sub>4</sub> : NABIS
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	Corrected Temperature:					Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A							Zn Acetate+NaOH: Zn
Total Containers:								NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
CS-11 (4)	7/11/2022		X		Comp	1	BTEX 8021B	
CS-12 (4)	7/11/2022		X		Comp	1	TPH 8015M ( GRO + DRO + MRO)	
CS-13 (4)	7/11/2022		X		Comp	1	Chloride 4500	
CS-14 (4)	7/11/2022		X		Comp	1		
CS-15 (4)	7/11/2022		X		Comp	1		
CS-16 (4)	7/11/2022		X		Comp	1		
CS-17 (4)	7/11/2022		X		Comp	1		
CS-18 (4)	7/11/2022		X		Comp	1		
CS-19 (4)	7/11/2022		X		Comp	1		
CS-20 (4)	7/11/2022		X		Comp	1		

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com, Ashton Thielke Athielke@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			7-12-22 1331

Chain of Custody

Work Order No: H222988

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Project Manager:	Ashton Thielke	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 West Wall St, Suite 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-5347	Email:	James.Kennedy@eogresources.com

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

Project Name:	Rattlesnake Riser Release	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST		Preservative Codes
Project Number:	1073	Due Date:	24HRS					None: NO DI Water: H <sub>2</sub> O
Project Location	Lea Co. NM							Cool: Cool MeOH: Me
Sampler's Name:	CCM/AT							HCL: HC HNO <sub>3</sub> : HN
PO #:								H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
<b>SAMPLE RECEIPT</b>		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			H <sub>3</sub> PO <sub>4</sub> : HP
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113					NaHSO <sub>4</sub> : NABIS
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6°C					Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	2.1°C					Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature:	1.5°C					NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
CS-21 (4')	7/11/2022		X		Comp	1	BTEX 8021B	
CS-22 (4')	7/11/2022		X		Comp	1	TPH 8015M ( GRO + DRO + MRO)	
CS-23 (4')	7/11/2022		X		Comp	1	Chloride 4500	
CS-24 (4')	7/11/2022		X		Comp	1		
CS-25 (4')	7/11/2022		X		Comp	1		
CS-26 (4')	7/11/2022		X		Comp	1		
CS-27 (4')	7/11/2022		X		Comp	1		
CS-28 (4')	7/11/2022		X		Comp	1		
CS-29 (4')	7/11/2022		X		Comp	1		
CS-30 (4')	7/11/2022		X		Comp	1		

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com, Ashton Thielke Athielke@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			7-12-22 1331

Chain of Custody

Work Order No: H2229888

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Project Manager:	Ashton Thielke	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 West Wall St. Suite 415	Address:	5509 Champions Dr
City/State/Zip:	Midland, TX 79701	City/State/Zip:	Midland, TX 79706
Phone:	432-813-5347	Email:	James.Kennedy@eogresources.com

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

Project Name:	Rattlesnake Riser Release	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST		Preservative Codes
Project Number:	1073	Due Date:	24HRS					None: NO Cool: Cool HCL: HC H <sub>2</sub> S <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Project Location:	Lea Co. NM							
Sampler's Name:	CCM/AT							
PO #:								
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Received Intact:	Thermometer ID:							
Cooler Custody Seals:	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A						
Sample Custody Seals:	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A						
Total Containers:	Corrected Temperature:							

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
CS-31 (4)	7/11/2022		X		Comp	1	BTEX 8021B	
CS-32 (4)	7/11/2022		X		Comp	1	TPH 8015M ( GRO + DRO + MRO)	
CS-33 (4)	7/11/2022		X		Comp	1	Chloride 4500	
CS-34 (4)	7/11/2022		X		Comp	1		
CS-35 (4)	7/11/2022		X		Comp	1		
CS-36 (4)	7/11/2022		X		Comp	1		
CS-37 (4)	7/11/2022		X		Comp	1		
CS-38 (4)	7/11/2022		X		Comp	1		
CS-39 (4)	7/11/2022		X		Comp	1		
CS-40 (4)	7/11/2022		X		Comp	1		

Comments: Email to Mike Carmona / Mearmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com, Ashton Thielke Athielke@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			7-12-22 1331

Chain of Custody

Work Order No: H2228988

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Project Manager:	Ashton Thielke	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 West Wall St. Suite 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-5347	Email:	James.Kennedy@eogresources.com

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

Project Name:	Rattlesnake Riser Release	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST	Preservative Codes
Project Number:	1073	Due Date:	24HRS				None: NO DI Water: H <sub>2</sub> O
Project Location	Lea Co. NIM						Cool: Cool MeOH: Me
Sampler's Name:	CCM/AT						HCL: HC HNO <sub>3</sub> : HN
PO #:							H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			H <sub>3</sub> PO <sub>4</sub> : HP
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:					NaHSO <sub>4</sub> : MABIS
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:					Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>5</sub>
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:					Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature:					NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
CS-41 (4)	7/11/2022		X		Comp	1	BTEX 8021B	
CS-42 (4)	7/11/2022		X		Comp	1	TPH 8015M ( GRO + DRO + MRO)	
CS-43 (4)	7/11/2022		X		Comp	1	Chloride 4500	
CS-44 (4)	7/11/2022		X		Comp	1		
CS-45 (4)	7/11/2022		X		Comp	1		
CS-46 (4)	7/11/2022		X		Comp	1		
CS-47 (4)	7/11/2022		X		Comp	1		
CS-48 (4)	7/11/2022		X		Comp	1		
CS-49 (4)	7/11/2022		X		Comp	1		
CS-50 (4)	7/11/2022		X		Comp	1		

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com, Ashton Thielke Athielke@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			7-12-22 1337

Chain of Custody

Work Order No: HA222988

Page 6 of 12

Project Manager:	Ashton Thielke	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 West Wall St. Suite 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-5347	Email:	James.Kennedy@eogresources.com

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

Project Name:	Rattlesnake Riser Release	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST		Preservative Codes	None: NO	DI Water: H <sub>2</sub> O
Project Number:	1073	Due Date:	24HRS						Cool: Cool	MeOH: Me
Project Location:	Lea Co. NIM								HCL: HC	HNO <sub>3</sub> : HN
Sampler's Name:	CCM/AT								H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
PO #:									H <sub>3</sub> PO <sub>4</sub> : HP	
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					NaHSO <sub>4</sub> : NABIS	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:						Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>	
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:						Zn Acetate+NaOH: Zn	
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:						NaOH+Ascorbic Acid: SAPC	
Total Containers:			Corrected Temperature:							

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
CS-51 (4')	7/11/2022		X		Comp	1	BTEX 8021B	
CS-52 (4')	7/11/2022		X		Comp	1	TPH 8015M ( GRO + DRO + MRO)	
CS-53 (4')	7/11/2022		X		Comp	1	Chloride 4500	
CS-54 (4')	7/11/2022		X		Comp	1		
CS-55 (4')	7/11/2022		X		Comp	1		
CS-56 (4')	7/11/2022		X		Comp	1		
CS-57 (4')	7/11/2022		X		Comp	1		
CS-58 (4')	7/11/2022		X		Comp	1		
CS-59 (4')	7/11/2022		X		Comp	1		
CS-60 (4')	7/11/2022		X		Comp	1		

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com, Ashton Thielke Athielke@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			7-12-22 1331

Chain of Custody

Work Order No: H222988

Page 7 of 12

Project Manager:	Ashton Thielke	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 West Wall St. Suite 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-5347	Email:	James.Kennedy@eogresources.com

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

Project Name:	Rattlesnake Riser Release	Turn Around	Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:	1073	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Project Location:	Lea Co. NM	Due Date:	24HRS		
Sampler's Name:	CCM/AT				
PO #:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments
							BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	HOLD							
CS-61 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-62 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-63 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-64 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-65 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-66 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-67 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-68 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-69 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	
CS-70 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com, Ashton Thielke Athielke@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			7-12-22 1337





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

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July 13, 2022

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

RE: RATTLESNAKE RISER RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/12/22 13:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 2 (4') (H222989-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 76.9 % 43-149

Surrogate: 1-Chlorooctadecane 83.3 % 42.5-161

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 3 (4') (H222989-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 43-149

Surrogate: 1-Chlorooctadecane 83.1 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 4 (4') (H222989-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 77.4 % 43-149

Surrogate: 1-Chlorooctadecane 81.8 % 42.5-161

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 5 (4') (H222989-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 75.5 % 43-149

Surrogate: 1-Chlorooctadecane 82.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 6 (4') (H222989-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 82.7 % 43-149

Surrogate: 1-Chlorooctadecane 90.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 7 (4') (H222989-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 43-149

Surrogate: 1-Chlorooctadecane 88.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 8 (4') (H222989-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 43-149

Surrogate: 1-Chlorooctadecane 91.0 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 9 (4') (H222989-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 86.7 % 43-149

Surrogate: 1-Chlorooctadecane 91.4 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 10 (4') (H222989-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 83.7 % 43-149

Surrogate: 1-Chlorooctadecane 93.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 11 (4') (H222989-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 43-149

Surrogate: 1-Chlorooctadecane 93.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 12 (4') (H222989-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 96.1 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 13 (4') (H222989-12)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 92.2 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 14 (4') (H222989-13)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 110 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 15 (4') (H222989-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 16 (4') (H222989-15)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>384</b>	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 17 (4') (H222989-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.78	89.0	2.00	8.03	QM-07
Toluene*	<0.050	0.050	07/12/2022	ND	2.07	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.09	105	2.00	6.85	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.63	111	6.00	7.30	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 18 (4') (H222989-17)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2022	ND	1.78	89.0	2.00	8.03		
Toluene*	<0.050	0.050	07/12/2022	ND	2.07	104	2.00	5.45		
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.09	105	2.00	6.85		
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.63	111	6.00	7.30		
Total BTEX	<0.300	0.300	07/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	07/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 82.5 % 43-149

Surrogate: 1-Chlorooctadecane 89.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 19 (4') (H222989-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.78	89.0	2.00	8.03	
Toluene*	<0.050	0.050	07/12/2022	ND	2.07	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.09	105	2.00	6.85	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.63	111	6.00	7.30	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 43-149

Surrogate: 1-Chlorooctadecane 95.7 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 20 (4') (H222989-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.78	89.0	2.00	8.03	
Toluene*	<0.050	0.050	07/12/2022	ND	2.07	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.09	105	2.00	6.85	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.63	111	6.00	7.30	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 100 % 43-149

Surrogate: 1-Chlorooctadecane 108 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 21 (4') (H222989-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.78	89.0	2.00	8.03	
Toluene*	<0.050	0.050	07/12/2022	ND	2.07	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.09	105	2.00	6.85	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.63	111	6.00	7.30	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	217	108	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	203	102	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 110 % 43-149

Surrogate: 1-Chlorooctadecane 122 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 22 (4') (H222989-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.78	89.0	2.00	8.03	
Toluene*	<0.050	0.050	07/12/2022	ND	2.07	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.09	105	2.00	6.85	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.63	111	6.00	7.30	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	208	104	200	3.38	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	199	99.6	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 99.1 % 43-149

Surrogate: 1-Chlorooctadecane 111 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 23 (4') (H222989-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.78	89.0	2.00	8.03	
Toluene*	<0.050	0.050	07/12/2022	ND	2.07	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.09	105	2.00	6.85	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.63	111	6.00	7.30	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	208	104	200	3.38	
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	199	99.6	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 24 (4') (H222989-23)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2022	ND	1.78	89.0	2.00	8.03		
Toluene*	<0.050	0.050	07/12/2022	ND	2.07	104	2.00	5.45		
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.09	105	2.00	6.85		
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.63	111	6.00	7.30		
Total BTEX	<0.300	0.300	07/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	07/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 99.6 % 43-149

Surrogate: 1-Chlorooctadecane 110 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 25 (4') (H222989-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.78	89.0	2.00	8.03	
Toluene*	<0.050	0.050	07/13/2022	ND	2.07	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	6.85	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.63	111	6.00	7.30	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 108 % 43-149

Surrogate: 1-Chlorooctadecane 120 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 26 (4') (H222989-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.78	89.0	2.00	8.03	
Toluene*	<0.050	0.050	07/13/2022	ND	2.07	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	6.85	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.63	111	6.00	7.30	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 84.6 % 43-149

Surrogate: 1-Chlorooctadecane 92.6 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 27 (4') (H222989-26)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.78	89.0	2.00	8.03	
Toluene*	<0.050	0.050	07/13/2022	ND	2.07	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	6.85	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.63	111	6.00	7.30	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 100 % 43-149

Surrogate: 1-Chlorooctadecane 110 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 28 (4') (H222989-27)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.78	89.0	2.00	8.03	
Toluene*	<0.050	0.050	07/13/2022	ND	2.07	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	6.85	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.63	111	6.00	7.30	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 29 (4') (H222989-28)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.78	89.0	2.00	8.03	
Toluene*	<0.050	0.050	07/13/2022	ND	2.07	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	6.85	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.63	111	6.00	7.30	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 30 (4') (H222989-29)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.78	89.0	2.00	8.03	
Toluene*	<0.050	0.050	07/13/2022	ND	2.07	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	6.85	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.63	111	6.00	7.30	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 90.1 % 43-149

Surrogate: 1-Chlorooctadecane 99.1 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 31 (4') (H222989-30)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.78	89.0	2.00	8.03	
Toluene*	<0.050	0.050	07/13/2022	ND	2.07	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	6.85	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.63	111	6.00	7.30	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 85.4 % 43-149

Surrogate: 1-Chlorooctadecane 95.5 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 32 (4') (H222989-31)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	1.91	95.3	2.00	11.9	
Toluene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	12.6	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.18	109	2.00	12.4	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	12.6	
Total BTEX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 82.5 % 43-149

Surrogate: 1-Chlorooctadecane 89.0 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 71 (4') (H222989-32)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/13/2022	ND	1.78	89.0	2.00	8.03		
Toluene*	<0.050	0.050	07/13/2022	ND	2.07	104	2.00	5.45		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	6.85		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.63	111	6.00	7.30		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	07/13/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 89.5 % 43-149

Surrogate: 1-Chlorooctadecane 98.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 72 (4') (H222989-33)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/13/2022	ND	1.78	89.0	2.00	8.03		
Toluene*	<0.050	0.050	07/13/2022	ND	2.07	104	2.00	5.45		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	6.85		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.63	111	6.00	7.30		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/13/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 114 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 73 (4') (H222989-34)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/13/2022	ND	1.78	89.0	2.00	8.03		
Toluene*	<0.050	0.050	07/13/2022	ND	2.07	104	2.00	5.45		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	6.85		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.63	111	6.00	7.30		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	07/13/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 87.8 % 43-149

Surrogate: 1-Chlorooctadecane 95.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 74 (4') (H222989-35)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/13/2022	ND	1.78	89.0	2.00	8.03		
Toluene*	<0.050	0.050	07/13/2022	ND	2.07	104	2.00	5.45		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	6.85		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.63	111	6.00	7.30		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	07/13/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 88.2 % 43-149

Surrogate: 1-Chlorooctadecane 96.2 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 75 (4') (H222989-36)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/13/2022	ND	1.78	89.0	2.00	8.03		
Toluene*	<0.050	0.050	07/13/2022	ND	2.07	104	2.00	5.45		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.09	105	2.00	6.85		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.63	111	6.00	7.30		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	07/13/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 106 % 43-149

Surrogate: 1-Chlorooctadecane 117 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 76 (4') (H222989-37)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.79	89.3	2.00	5.65	
Toluene*	<0.050	0.050	07/12/2022	ND	2.14	107	2.00	8.25	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.13	106	2.00	8.02	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.83	114	6.00	10.2	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 89.6 % 43-149

Surrogate: 1-Chlorooctadecane 97.3 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 77 (4') (H222989-38)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.79	89.3	2.00	5.65	
Toluene*	<0.050	0.050	07/12/2022	ND	2.14	107	2.00	8.25	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.13	106	2.00	8.02	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.83	114	6.00	10.2	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 93.3 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 78 (4') (H222989-39)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2022	ND	1.79	89.3	2.00	5.65		
Toluene*	<0.050	0.050	07/12/2022	ND	2.14	107	2.00	8.25		
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.13	106	2.00	8.02		
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.83	114	6.00	10.2		
Total BTEX	<0.300	0.300	07/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	07/13/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38		
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50		
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND						

Surrogate: 1-Chlorooctane 95.3 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 79 (4') (H222989-40)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	1.79	89.3	2.00	5.65	
Toluene*	<0.050	0.050	07/12/2022	ND	2.14	107	2.00	8.25	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.13	106	2.00	8.02	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.83	114	6.00	10.2	
Total BTEX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/13/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2022	ND	208	104	200	3.38	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	199	99.6	200	2.50	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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**Analytical Results For:**

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

Received:	07/12/2022	Sampling Date:	07/11/2022
Reported:	07/13/2022	Sampling Type:	Soil
Project Name:	RATTLESNAKE RISER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1073	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 80 (4') (H222989-41)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2022	ND	1.79	89.3	2.00	5.65		
Toluene*	<0.050	0.050	07/12/2022	ND	2.14	107	2.00	8.25		
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.13	106	2.00	8.02		
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.83	114	6.00	10.2		
Total BTEX	<0.300	0.300	07/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	07/13/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/12/2022	ND	197	98.4	200	5.81		
DRO >C10-C28*	<10.0	10.0	07/12/2022	ND	175	87.6	200	16.0		
EXT DRO >C28-C36	<10.0	10.0	07/12/2022	ND						

Surrogate: 1-Chlorooctane 84.1 % 43-149

Surrogate: 1-Chlorooctadecane 98.6 % 42.5-161

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

13222989

Page 9 of 12

Project Manager:	Ashton Thielke	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 West Wall St. Suite 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-5347	Email:	James_Kennedy@eogresources.com

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

Project Name:	Rattlesnake Riser Release	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date:	24HRS													
Project Number:	1073																None: NO	DI Water: H <sub>2</sub> O	
Project Location:	Lea Co. NM																Cool: Cool	MeOH: Me	
Sampler's Name:	CCM/AT																HCL: HC	HNO <sub>3</sub> : HN	
PO #:																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP		
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Correction Factor:	113													NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:	Corrected Temperature:	-0.6°C													Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			1.05°C													Zn Acetate+NaOH: Zn		
Total Containers:																	NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
SW-2 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X		
SW-3 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X		
SW-4 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X		
SW-5 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X		
SW-6 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X		
SW-7 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X		
SW-8 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X		
SW-9 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X		
SW-10 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X		
SW-11 (4)	7/11/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X	X		

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Commer Moehring / Cmoehring@carmonaresources.com, Ashton Thielke Athielke@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			7/12-22 1357

Chain of Custody

Work Order No: H222989

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Project Manager:	Ashton Thielke	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 West Wall St. Suite 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-5347	Email:	James.Kennedy@eogresources.com

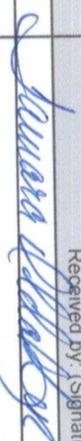
Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Juperfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST 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

Project Name:	Rattlesnake Riser Release	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST	Preservative Codes
Project Number:	1073	Due Date:	24HRS				None: NO DI Water: H <sub>2</sub> O
Project Location	Lea Co, NM						Cool: Cool MeOH: Me
Sampler's Name:	CCMIAT						HCL: HC HNO <sub>3</sub> : HN
PO #:							H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
<b>SAMPLE RECEIPT</b>	Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wet Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	Parameters			H <sub>3</sub> PO <sub>4</sub> : HP
Received Inact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:	113	BTEX 8021B			NH <sub>4</sub> SO <sub>4</sub> : NABIS
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	-0.6°C	TPH 8015M ( GRO + DRO + MRO)			Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temperature:	1.45°C	Chloride 4500			Zn Acetate+NaOH: Zn
Total Containers:							NaOH+Ascorbic Acid: SAPC

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Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Sample Comments				
SW-12 (4')	7/11/2022		X		Comp	1	X	X	X												
SW-13 (4')	7/11/2022		X		Comp	1	X	X	X												
SW-14 (4')	7/11/2022		X		Comp	1	X	X	X												
SW-15 (4')	7/11/2022		X		Comp	1	X	X	X												
SW-16 (4')	7/11/2022		X		Comp	1	X	X	X												
SW-17 (4')	7/11/2022		X		Comp	1	X	X	X												
SW-18 (4')	7/11/2022		X		Comp	1	X	X	X												
SW-19 (4')	7/11/2022		X		Comp	1	X	X	X												
SW-20 (4')	7/11/2022		X		Comp	1	X	X	X												
SW-21 (4')	7/11/2022		X		Comp	1	X	X	X												

Comments: Email to Mike Carmona / Mccarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com, Ashton Thielke Athielke@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			7-12-22 1337



Chain of Custody

Work Order No: A222989

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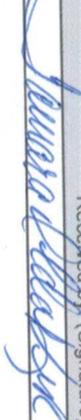
Project Manager:	Ashton Thielke	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 West Wall St. Suite 415	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-5347	Email:	James_Kennedy@eogresources.com

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

Project Name:	Rattlesnake Riser Release	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST	Preservative Codes
Project Number:	1073	Due Date:	24HRS				None: NO DI Water: H <sub>2</sub> O Cool: Cool MeOH: Me HCL: HC HNO <sub>3</sub> : HN H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Project Location:	Lea Co, NM						
Sampler's Name:	CCMIAT						
PO #:							
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113				
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Correction Factor:	-0.6°C				
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Temperature Reading:	2.1°C				
Total Containers:		Corrected Temperature:	1.5°C				

Sample Identification	Date	Time	Soil	Water	Grab Comp	# of Cont	Parameters	Sample Comments
SW-32 (4')	7/11/2022		X		Comp	1	BTEX 8021B TPH 8015M ( GRO + DRO + MRO) Chloride 4500	
CS-71 (4')	7/11/2022		X		Comp	1		2.0°C 7/11/22
CS-72 (4')	7/11/2022		X		Comp	1		
CS-73 (4')	7/11/2022		X		Comp	1		
CS-74 (4')	7/11/2022		X		Comp	1		
CS-75 (4')	7/11/2022		X		Comp	1		
CS-76 (4')	7/11/2022		X		Comp	1		
CS-77 (4')	7/11/2022		X		Comp	1		
CS-78 (4')	7/11/2022		X		Comp	1		
CS-79 (4')	7/11/2022		X		Comp	1		

Comments: Email to Mike Carmona / Mccarmona@carmonarresources.com and Conner Moehring / Cmoehring@carmonarresources.com, Ashton Thielke Athielke@carmonarresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			7-12-22 1337



**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**

CONDITIONS

Action 127812

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 127812
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	7/26/2022