



**SITE INFORMATION**

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**Closure Report**  
**Merciless 13 Fed Com #508H**  
**Lea County, New Mexico**  
**Unit B Sec 13 T25S R32E**  
**Incident #: NAPP2228547127**  
**32.136623°, -103.626102°**

**Produced Water Release**  
**Point of Release: Unauthorized Release from a Truck**  
**Release Date: 07/12/2022**  
**Volume Released: >5 barrels of Produced Water**  
**Volume Recovered: 0 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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October 12, 2022

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

**Re: Closure Report  
Merciless 13 Fed Com #508H  
EOG Resources, Inc  
Site Location: Unit B, S13, T25S, R32E  
(Lat 32.136623°, Long -103.626102°)  
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 Merciless 13 Fed Com #508H. The site is located at 32.136515°, -103.626218° within Unit B, S13, T25S, R32E, 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 July 12, 2022, caused by an unauthorized release from a truck. The release was originally internally reported as three (3) barrels; after assessment, the release was approximated to be greater than five (5) barrels. There were zero (0) barrels recovered. The initial C-141 form is attached in Appendix C. See Figure 3, sheets 1-5.

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

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known monitoring well is within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.56 miles Northeast of the site in S05, T25S, R33E, and was drilled in 1948. The well has a reported depth to groundwater of 90' feet below the 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: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.



#### **4.0 Site Assessment Activities**

##### **Initial Assessment/Trenches**

On July 20, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of thirty-three (33) trenches (T-1 through T-33) and twenty-four (24) horizontal sample points (H-1 through H-24) 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.

All areas were delineated vertically and horizontally. Refer to Table 1.

##### **5.0 Remediation Activities**

Carmona Resources personnel was onsite to oversee excavation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on August 5, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of T-1, T-3, T-6, and T-33 were excavated to a depth of 1.5' below the surface. A total of eighteen (18) confirmation floor samples were collected (CS-1 through CS-18), and twenty-six (26) sidewall samples (SW-1 through SW-26) 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, sheets 1-4.

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 260 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**

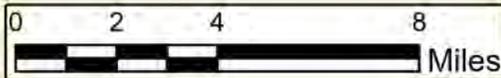
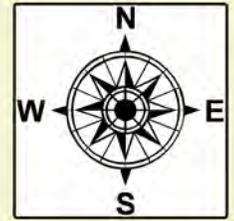
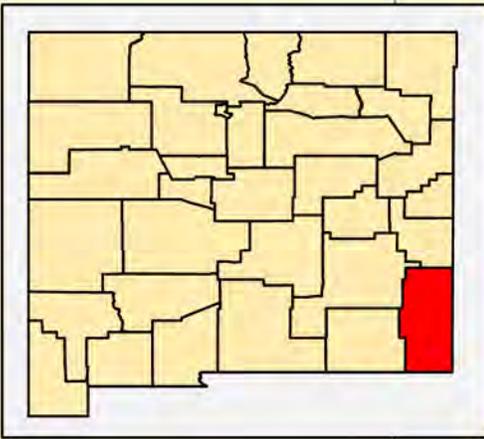
Mike Carmona  
Environmental Manager

Conner Moehring  
Sr. Project Manager

# FIGURES

CARMONA RESOURCES





**Legend**

★ Site Location

**OVERVIEW MAP  
EOG RESOURCES  
MERCILESS RELEASE  
LEA COUNTY, NEW MEXICO  
32.136515, -103.626218**

SCALE: As Shown      Date: 8/11/2022



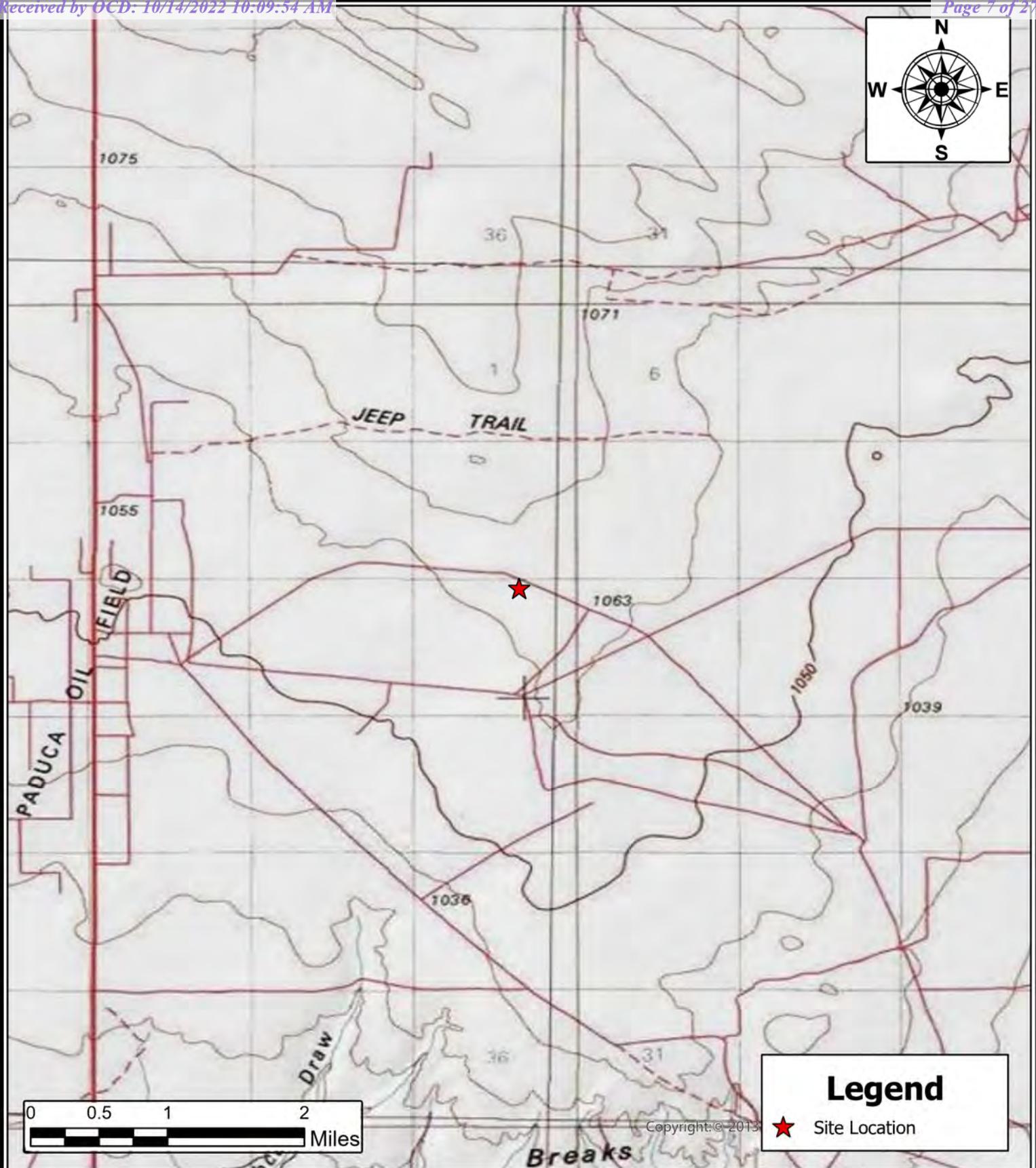
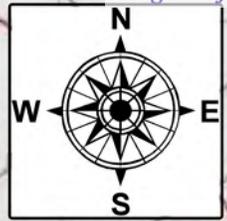
**Carmona Resources**  
310 West Wall Street, Suite 415  
Midland, Texas 79701

**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**



**Legend**

★ Site Location

**TOPOGRAPHIC MAP**  
**EOG RESOURCES**  
 MERCILESS RELEASE  
 LEA COUNTY, NEW MEXICO  
 32.136515, -103.626218

SCALE: As Shown      Date: 8/11/2022

CARMONA RESOURCES 

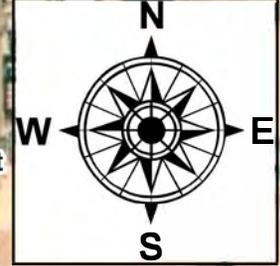
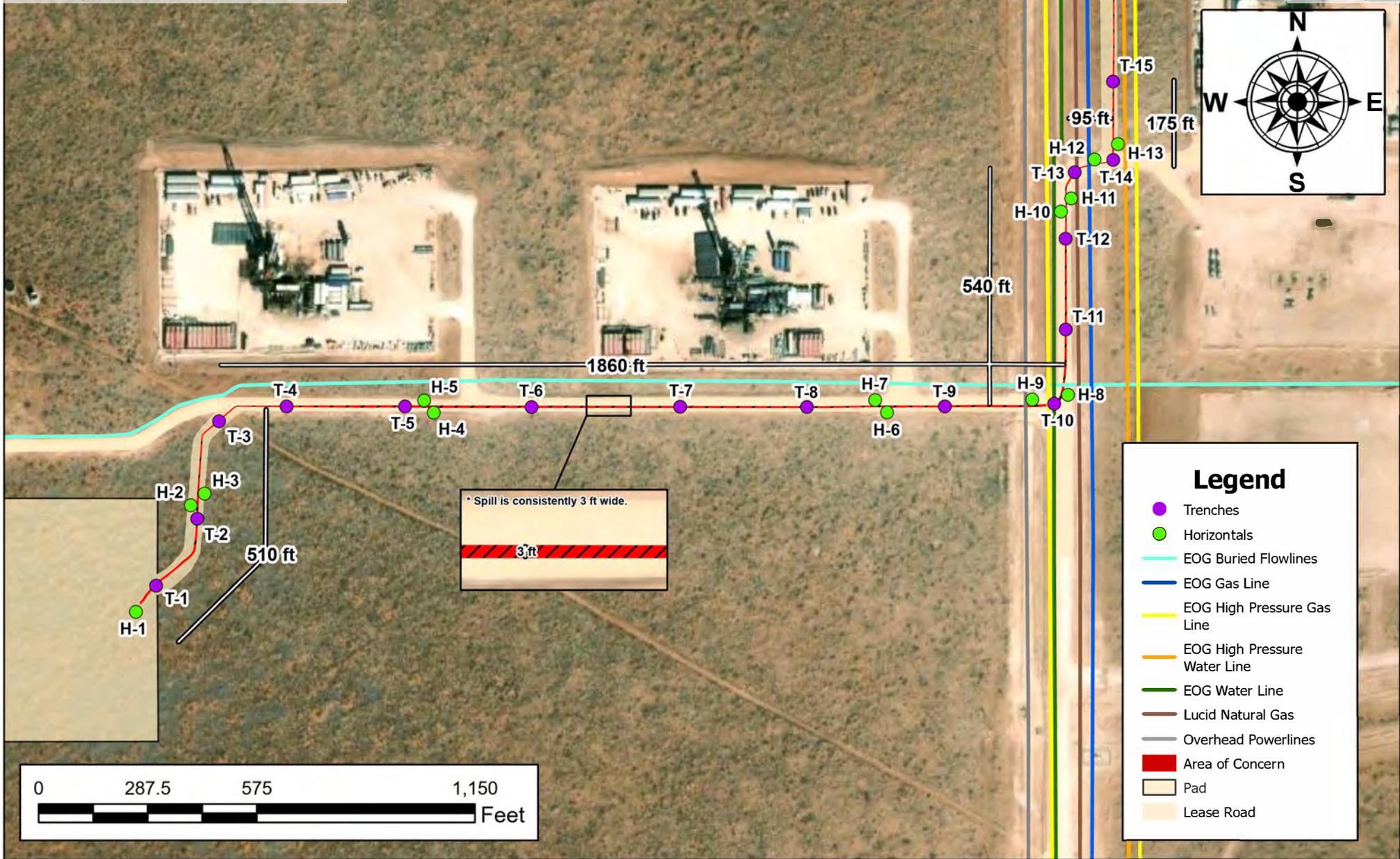
**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

**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**

- Trenches
- Horizontals
- EOG Buried Flowlines
- EOG Gas Line
- EOG High Pressure Gas Line
- EOG High Pressure Water Line
- EOG Water Line
- Lucid Natural Gas
- Overhead Powerlines
- Area of Concern
- Pad
- Lease Road

\* Spill is consistently 3 ft wide.

3ft



**SAMPLE LOCATION MAP**  
**EOG RESOURCES**  
 MERCILESS RELEASE  
 LEA COUNTY, NEW MEXICO  
 32.136515, -103.626218



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

NOTES:

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2. Map Projection: NAD 1983 UTM Zone 13N

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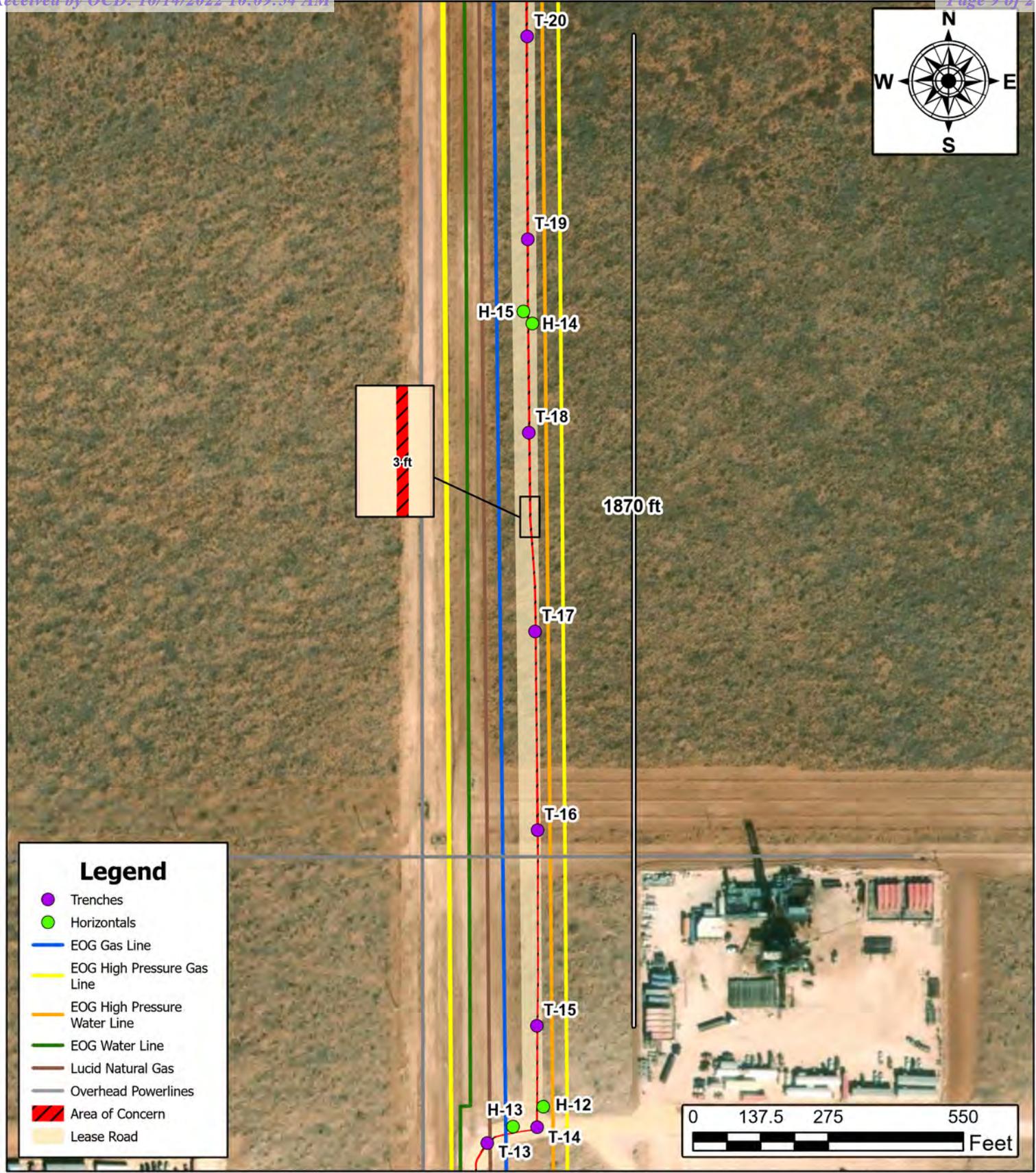
**FIGURE 3**

SHEET NUMBER:

**1 of 5**

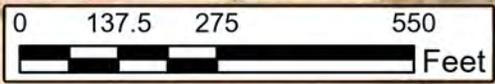
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Date: 8/11/2022



**Legend**

- Trenches
- Horizontals
- EOG Gas Line
- EOG High Pressure Gas Line
- EOG High Pressure Water Line
- EOG Water Line
- Lucid Natural Gas
- Overhead Powerlines
- Area of Concern
- Lease Road



**SAMPLE LOCATION MAP  
EOG RESOURCES  
MERCILESS RELEASE  
LEA COUNTY, NEW MEXICO  
32.136515, -103.626218**

SCALE: As Shown      Date: 8/11/2022

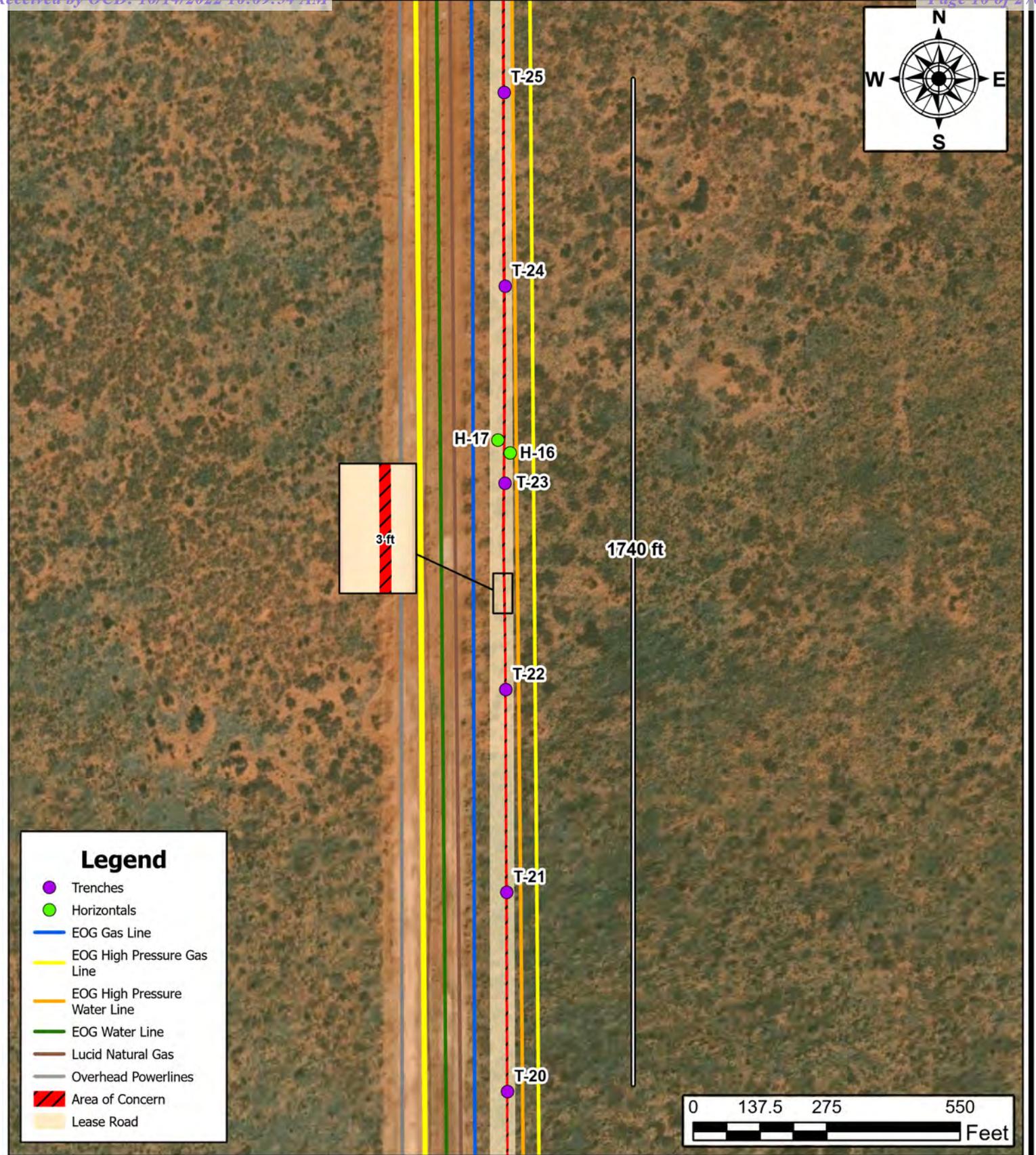
  
**Carmona Resources**  
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 Midland, Texas 79701

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
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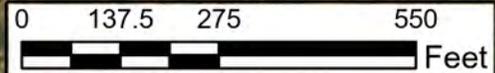
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**FIGURE 3**

SHEET NUMBER:  
**2 of 5**



**Legend**

- Trenches
- Horizontals
- EOG Gas Line
- EOG High Pressure Gas Line
- EOG High Pressure Water Line
- EOG Water Line
- Lucid Natural Gas
- Overhead Powerlines
- Area of Concern
- Lease Road



**SAMPLE LOCATION MAP**  
**EOG RESOURCES**  
 MERCILESS RELEASE  
 LEA COUNTY, NEW MEXICO  
 32.136515, -103.626218

SCALE: As Shown      Date: 8/11/2022

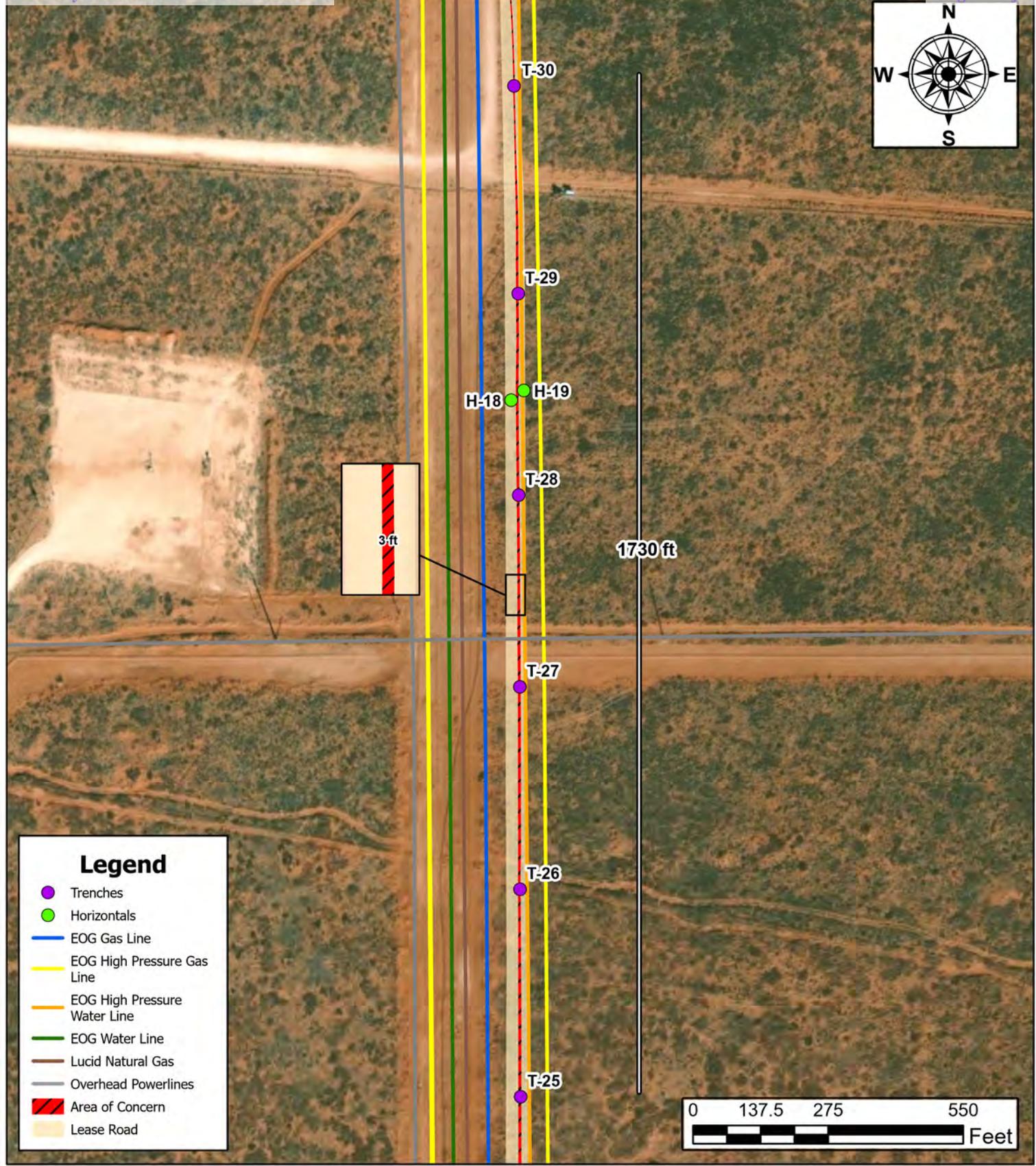
  
**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

**NOTES:**

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

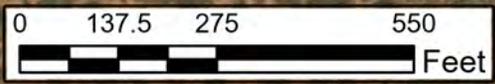
DRAWING NUMBER:  
**FIGURE 3**

SHEET NUMBER:  
**3 of 5**



**Legend**

- Trenches
- Horizontals
- EOG Gas Line
- EOG High Pressure Gas Line
- EOG High Pressure Water Line
- EOG Water Line
- Lucid Natural Gas
- Overhead Powerlines
- Area of Concern
- Lease Road



**SAMPLE LOCATION MAP**  
**EOG RESOURCES**  
 MERCILESS RELEASE  
 LEA COUNTY, NEW MEXICO  
 32.136515, -103.626218

SCALE: As Shown      Date: 8/11/2022

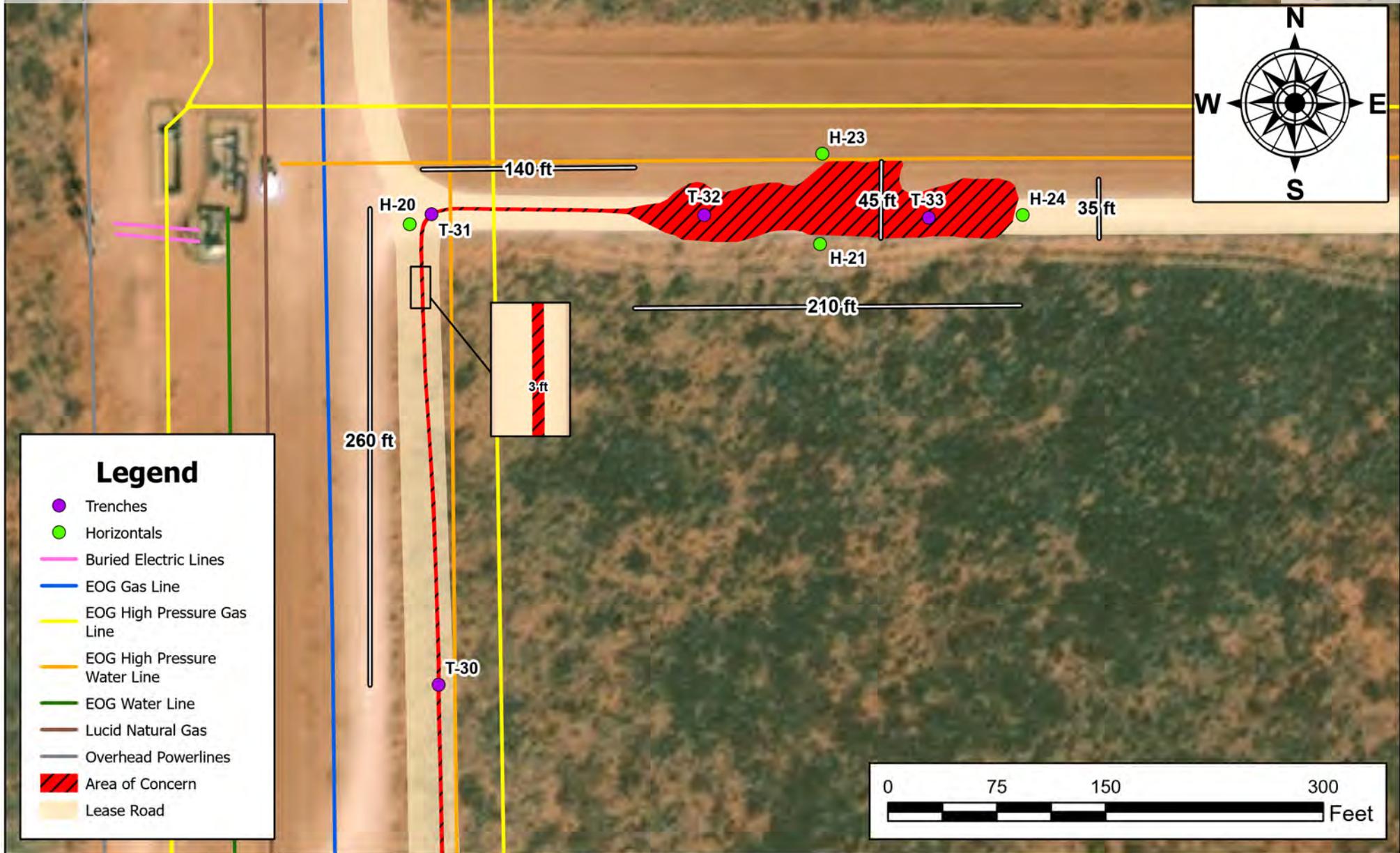
  
**Carmona Resources**  
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**NOTES:**

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2. Map Projection: NAD 1983 UTM Zone 13N

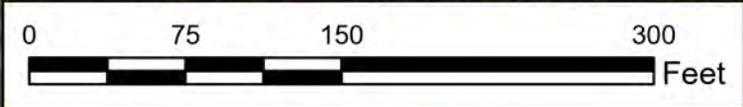
DRAWING NUMBER:  
**FIGURE 3**

SHEET NUMBER:  
**4 of 5**



**Legend**

- Trenches
- Horizontals
- Buried Electric Lines
- EOG Gas Line
- EOG High Pressure Gas Line
- EOG High Pressure Water Line
- EOG Water Line
- Lucid Natural Gas
- Overhead Powerlines
- ▨ Area of Concern
- ▨ Lease Road



**SAMPLE LOCATION MAP**  
**EOG RESOURCES**  
 MERCILESS RELEASE  
 LEA COUNTY, NEW MEXICO  
 32.136515, -103.626218

CARMONA RESOURCES   
**Carmona Resources**  
 310 West Wall Street, Suite 415  
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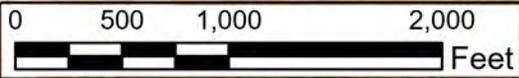
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 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:  
**FIGURE 3**  
 SHEET NUMBER:  
**5 of 5**



**Legend**

-  1.5 ft Excavation
-  Pad
-  Lease Road



**EXCAVATION DEPTH OVERVIEW MAP**  
**EOG RESOURCES**  
 MERCILESS RELEASE  
 LEA COUNTY, NEW MEXICO  
 32.136515, -103.626218

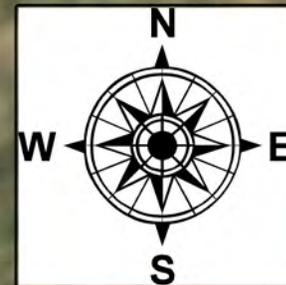
  
**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

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

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

SCALE: As Shown      Date: 8/15/2022

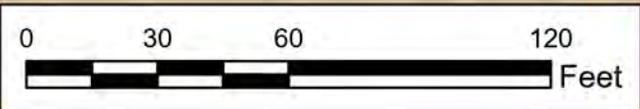
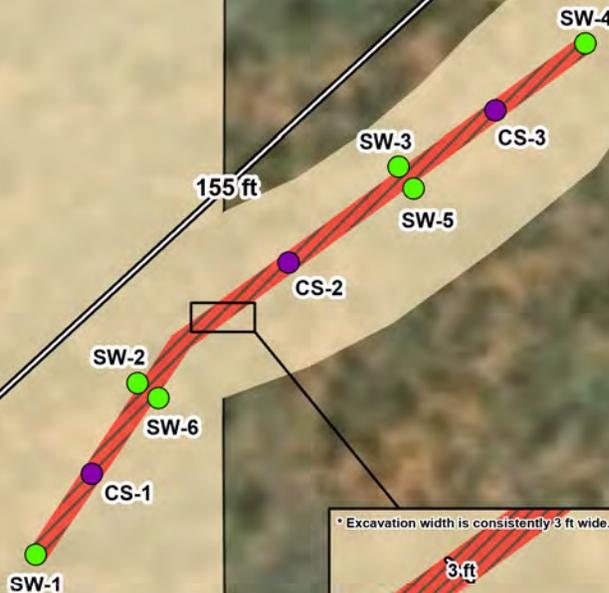
1



Pad

Lease Road

155 ft



### Legend

- Confirmation Samples
- Sidewall Samples
- 1.5 ft Excavation

**EXCAVATION DEPTH MAP**  
**EOG RESOURCES**  
 MERCILESS RELEASE  
 LEA COUNTY, NEW MEXICO  
 32.136515, -103.626218

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

NOTES:

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DRAWING NUMBER:

**FIGURE 4**

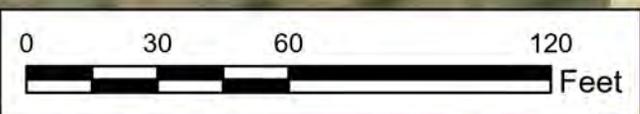
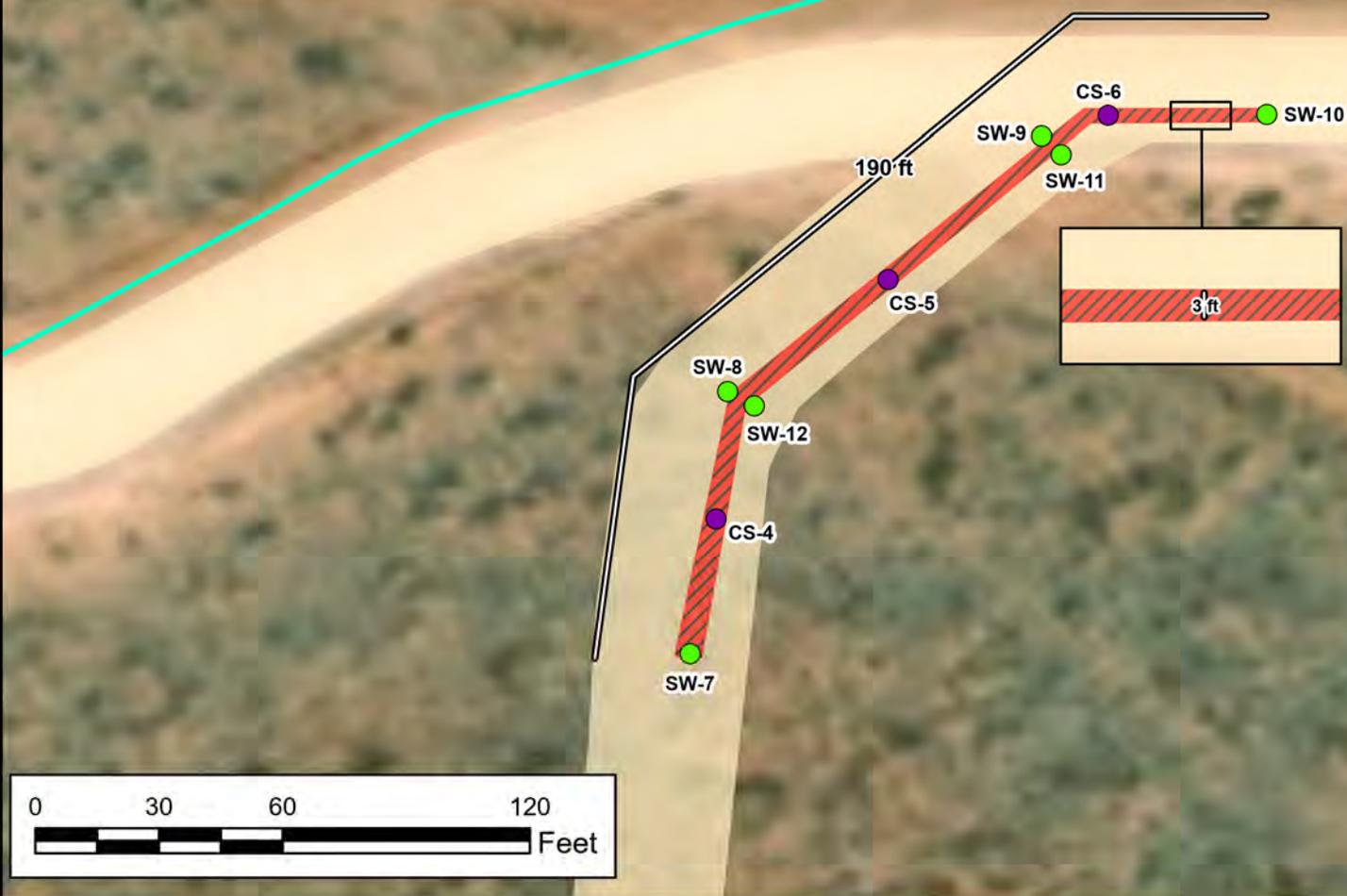
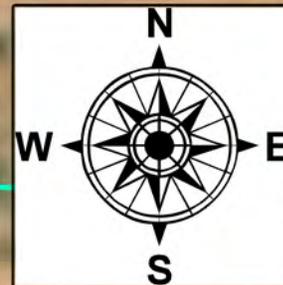
SHEET NUMBER:

**1 of 4**

SCALE: As Shown

Date: 8/15/2022

2



**Legend**

- Confirmation Samples
- Sidewall Samples
- EOG Buried Flowline
- 1.5 ft Excavation

**EXCAVATION DEPTH MAP**  
**EOG RESOURCES**  
 MERCILESS RELEASE  
 LEA COUNTY, NEW MEXICO  
 32.136515, -103.626218

**CARMONA RESOURCES**

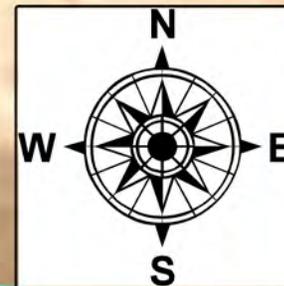
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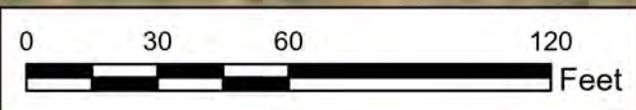
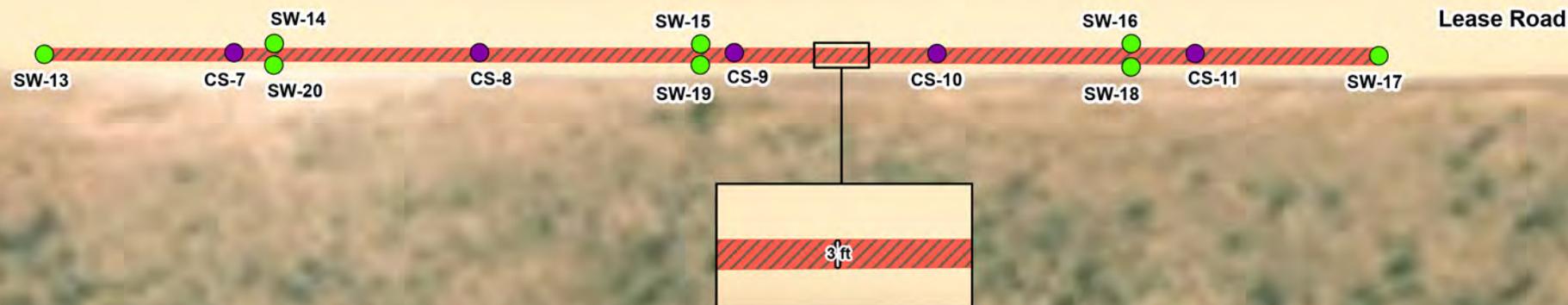
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:  
**FIGURE 4**  
 SHEET NUMBER:  
**2 of 4**

3



300-ft



**Legend**

- Confirmation Samples (purple dot)
- Sidewall Samples (green dot)
- 1.5 ft Excavation (red hatched area)

**EXCAVATION DEPTH MAP**  
**EOG RESOURCES**  
 MERCILESS RELEASE  
 LEA COUNTY, NEW MEXICO  
 32.136515, -103.626218



**Carmona Resources**  
 310 West Wall Street, Suite 415  
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**FIGURE 4**

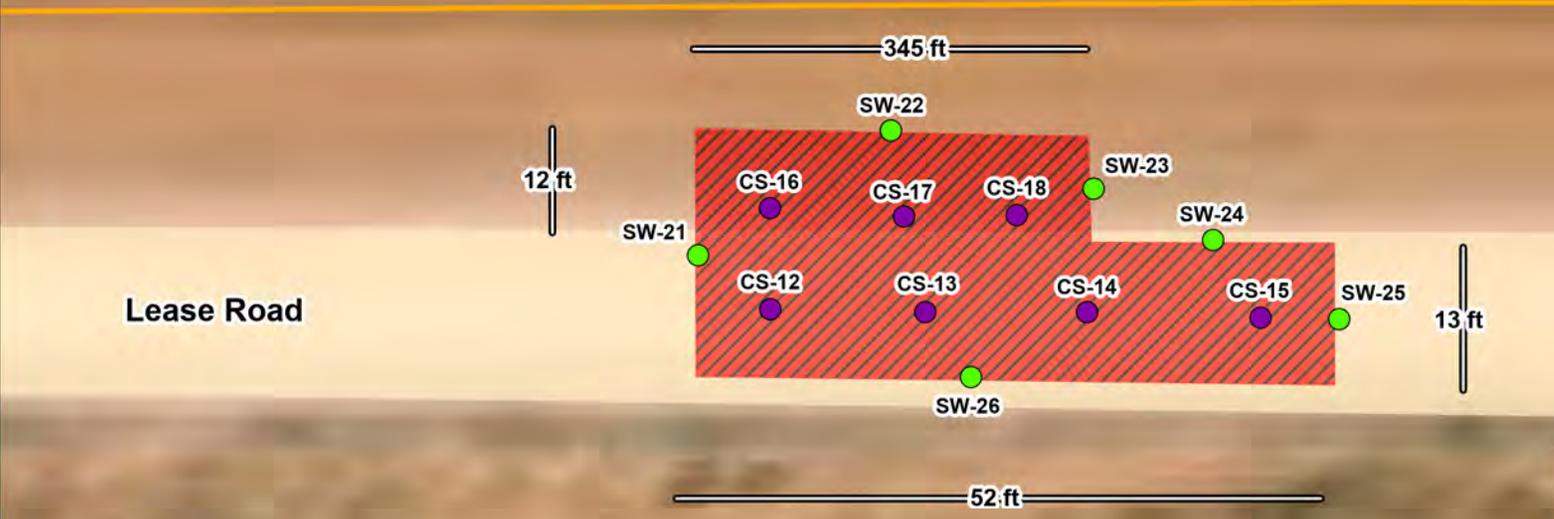
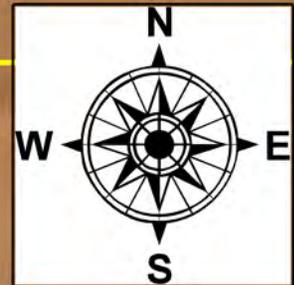
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**3 of 4**

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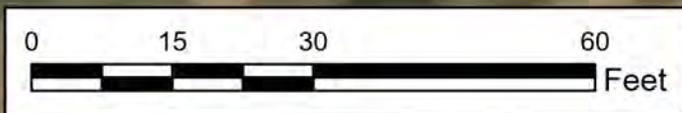
Date: 8/15/2022

4



### Legend

- Confirmation Samples
- Sidewall Samples
- EOG High Pressure Gas Line
- EOG High Pressure Water Line
- 1.5 ft Excavation



**EXCAVATION DEPTH MAP**  
**EOG RESOURCES**  
 MERCILESS RELEASE  
 LEA COUNTY, NEW MEXICO  
 32.136515, -103.626218

SCALE: As Shown  
 Date: 8/15/2022

*Released to Imaging: 11/4/2022 10:58:35 AM*

  
**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:  
**4 of 4**

# APPENDIX A

CARMONA RESOURCES



**Table 1**  
**EOG**  
**Merciless Release**  
**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						
T-1	7/20/2022	0-1	<10.0	34.4	12.6	47.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>624</b>
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	1.5	<10.0	14.2	<10.0	14.2	<0.050	<0.050	<0.050	<0.150	<0.300	304
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
T-2	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	"	1.5	<10.0	10.4	<10.0	10.4	<0.050	<0.050	<0.050	<0.150	<0.300	432
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
T-3	7/20/2022	0-1	<10.0	20.6	<10.0	20.6	<0.050	<0.050	<0.050	<0.150	<0.300	<b>768</b>
	"	1.0	<10.0	23.7	<10.0	23.7	<0.050	<0.050	<0.050	<0.150	<0.300	<b>896</b>
	"	1.5	<10.0	18.9	<10.0	18.9	<0.050	<0.050	<0.050	<0.150	<0.300	464
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
T-4	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	1.0	<10.0	26.3	<10.0	26.3	<0.050	<0.050	<0.050	<0.150	<0.300	464
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
T-5	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
T-6	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>944</b>
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>912</b>
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
T-7	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50 mg/kg</b>	<b>600 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  
(T) Trench

 Removed

**Table 1**  
**EOG**  
**Merciless Release**  
**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						
T-8	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
T-9	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
T-10	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
T-11	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
T-12	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
T-13	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	0.075	0.510	0.585	192
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
T-14	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50 mg/kg</b>	<b>600 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  
 (T) Trench

**Table 1  
EOG  
Merciless Release  
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						
T-15	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
T-16	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
T-17	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
T-18	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
T-19	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
T-20	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
T-21	7/20/2022	0-1	<10.0	10.4	<10.0	10.4	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	1.0	<10.0	14.0	<10.0	14.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50 mg/kg</b>	<b>600 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  
 (T) Trench

**Table 1**  
**EOG**  
**Merciless Release**  
**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						
T-22	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
T-23	7/20/2022	0-1	<10.0	18.6	<10.0	18.6	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	1.0	<10.0	24.3	<10.0	24.3	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
T-24	7/20/2022	0-1	<10.0	29.0	<10.0	29.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	1.0	<10.0	31.0	<10.0	31.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
T-25	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
T-26	7/20/2022	0-1	<10.0	10.6	<10.0	10.6	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	1.5	<10.0	10.7	<10.0	10.7	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
T-27	7/20/2022	0-1	<10.0	41.8	<10.0	41.8	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	1.0	<10.0	31.0	<10.0	31.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
T-28	7/20/2022	0-1	<10.0	49.9	<10.0	49.9	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	1.0	<10.0	68.3	<10.0	68.3	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50 mg/kg</b>	<b>600 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  
 (T) Trench

**Table 1**  
**EOG**  
**Merciless Release**  
**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						
T-29	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
T-30	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
T-31	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
T-32	7/20/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
	"	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
T-33	7/20/2022	0-1	<10.0	<b>4,010</b>	<b>485</b>	<b>4,495</b>	<0.050	<0.050	<0.050	<0.150	<0.300	384
	"	1.0	<10.0	<b>1,260</b>	<b>142</b>	<b>1,402</b>	<0.050	<0.050	<0.050	<0.150	<0.300	288
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>	-	-	-	<b>50 mg/kg</b>	<b>600 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  
 (T) Trench  
 Removed

**Table 1**  
**EOG**  
**Merciless Release**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
H-2	7/20/2022	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	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-4	7/20/2022	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	7/20/2022	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	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-7	7/20/2022	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	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-9	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-10	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-11	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-12	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50 mg/kg</b>	<b>600 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  
 (H) Horizontal Sample

**Table 1**  
**EOG**  
**Merciless Release**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-13	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-14	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-15	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-16	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-17	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-18	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-19	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-20	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-21	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-22	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-23	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-24	7/20/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>	-	-	-	<b>50 mg/kg</b>	<b>600 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  
 (H) Horizontal Sample

**Table 2**  
**EOG**  
**Merciless Release**  
**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	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-2	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-3	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-4	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-5	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-6	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-7	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-8	8/10/2022	1.5	<10.0	28.4	15.9	44.3	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-9	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-10	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-11	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-12	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-13	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-14	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-15	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-16	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-17	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-18	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<i>Regulatory Criteria</i> <sup>A</sup>						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 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**  
**Merciless Release**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-2	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-3	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-4	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-5	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-6	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-7	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-8	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-9	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-10	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-11	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-12	8/8/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-13	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-14	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-15	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-16	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-17	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-18	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-19	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-20	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-21	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-22	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-22	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-23	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-24	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-25	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-26	8/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>	-	-	-	<b>50 mg/kg</b>	<b>600 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

(SW) Sidewall Sample

## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

## EOG Resources

### Photograph No. 1

**Facility:** Merciless Release

**County:** Lea County, New Mexico

**Description:**

View Northeast, area of confirmation samples (1-3).



### Photograph No. 2

**Facility:** Merciless Release

**County:** Lea County, New Mexico

**Description:**

View Southeast, area of confirmation samples (4-6).



### Photograph No. 3

**Facility:** Merciless Release

**County:** Lea County, New Mexico

**Description:**

View South, area of confirmation samples (4-6).



# PHOTOGRAPHIC LOG

## EOG Resources

### Photograph No. 4

**Facility:** Merciless Release

**County:** Lea County, New Mexico

**Description:**  
View West, area of confirmation samples (7-11).



### Photograph No. 5

**Facility:** Merciless Release

**County:** Lea County, New Mexico

**Description:**  
View Northwest, area of confirmation samples (12-18).



### Photograph No. 6

**Facility:** Merciless Release

**County:** Lea County, New Mexico

**Description:**  
View East, area of confirmation samples (12-18).



## 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	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name James Kennedy	Contact Telephone 432-848-9146
Contact email james_kennedy@eogresources.com	Incident # (assigned by OCD) nAPP2228547127
Contact mailing address 5509 Champions Drive Midland, TX 79706	

### Location of Release Source

Latitude 32.136623 Longitude -103.626102  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name Merciless 13 Fed Com #508H	Site Type Well site
Date Release Discovered 07/12/2022	API# (if applicable) 30-025-47447

Unit Letter	Section	Township	Range	County
B	13	25S	32E	Lea

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) >5	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" 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)

Appears to be an unauthorized release from a truck. Originally internally reported as 3 bbls, after assessment appears to be greater than 5 bbls.

State of New Mexico  
Oil Conservation Division

Incident ID	
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? Unknown volume
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? No, did not know it was reportable until we assessed, and did the calculation for the soil.	

### 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 F. Kennedy</u> Title: <u>Env Specialist</u> Signature: <u></u> Date: <u>10/12/2022</u> email: <u>james_kennedy@eogresouirces.com</u> Telephone: <u>432-258-4346</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____

Incident ID	NAPP2228547127
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	NAPP2228547127
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: 10.13.2022

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

**OCD Only**

Received by: Jocelyn Harimon Date: 10/14/2022

Incident ID	NAPP2228547127
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: 10.13.2022  
 email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Jocelyn Harimon Date: 10/14/2022

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: 11/04/2022  
 Printed Name: Jennifer Nobui Title: Environmental Specialist A

---

**From:** Conner Moehring  
**Sent:** Friday, August 5, 2022 9:56 AM  
**To:** [OCD.Enviro@state.nm.us](mailto:OCD.Enviro@state.nm.us)  
**Cc:** Mike Carmona  
**Subject:** EOG - Merciless Release - Sampling Notification

Good Morning,

On behalf of EOG, Carmona Resources will be collecting confirmation samples at the below-referenced site on 08/08/22 around 12:00 pm Mountain Time. Please let me know if you have any questions.

Merciless Release  
Sec 6 T25S R33E Unit M  
32.154650, -103.619380  
Lea County, New Mexico

Conner R. Moehring  
310 West Wall Street, Suite 415  
Midland Texas, 79701  
M: [432-813-6823](tel:432-813-6823)  
[Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)



## APPENDIX D

CARMONA RESOURCES

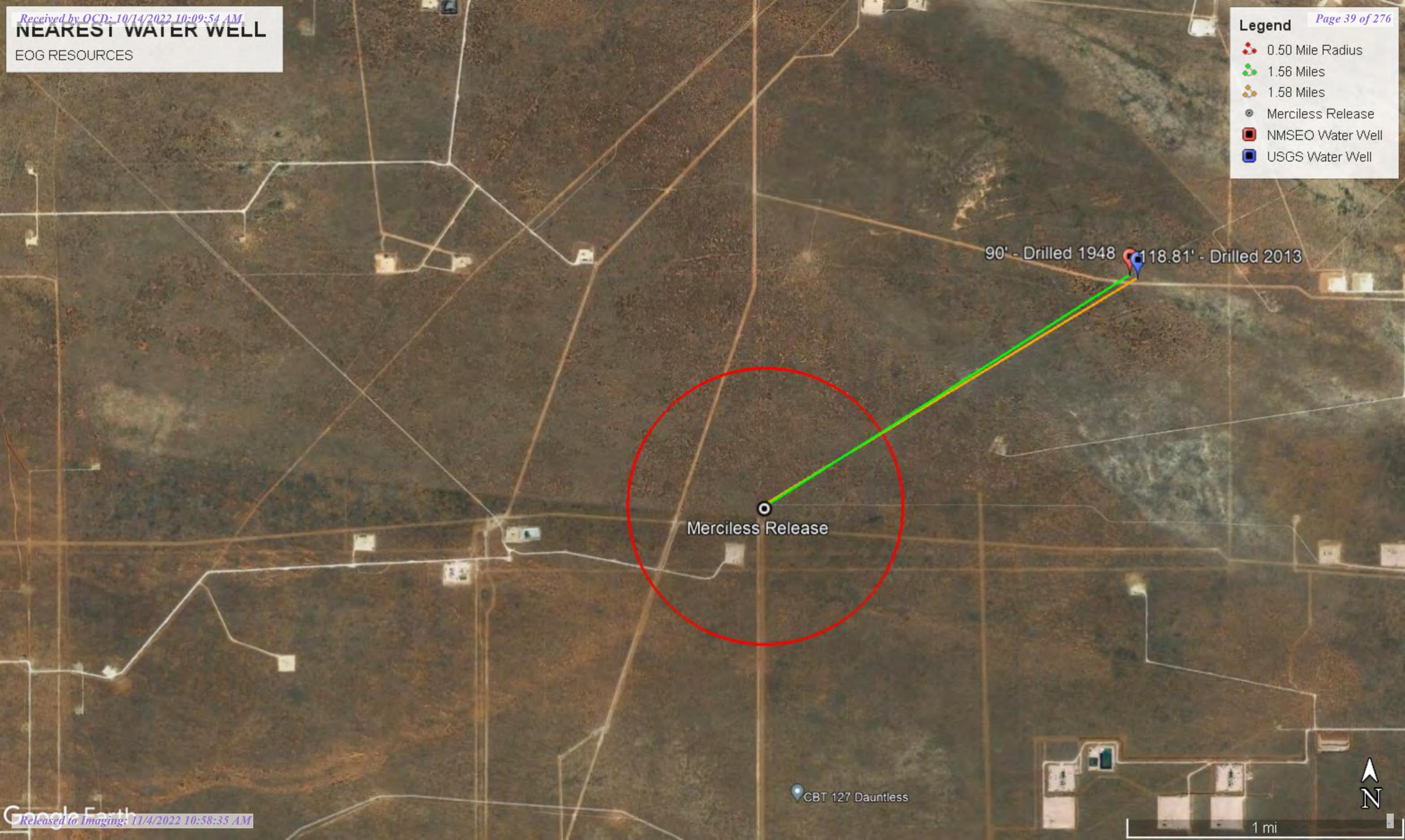


# NEAREST WATER WELL

EOG RESOURCES

**Legend**

- 0.50 Mile Radius
- 1.56 Miles
- 1.58 Miles
- Merciless Release
- NMSEO Water Well
- USGS Water Well



90' - Drilled 1948 118.81' - Drilled 2013

Merciless Release

CBT 127 Dauntless

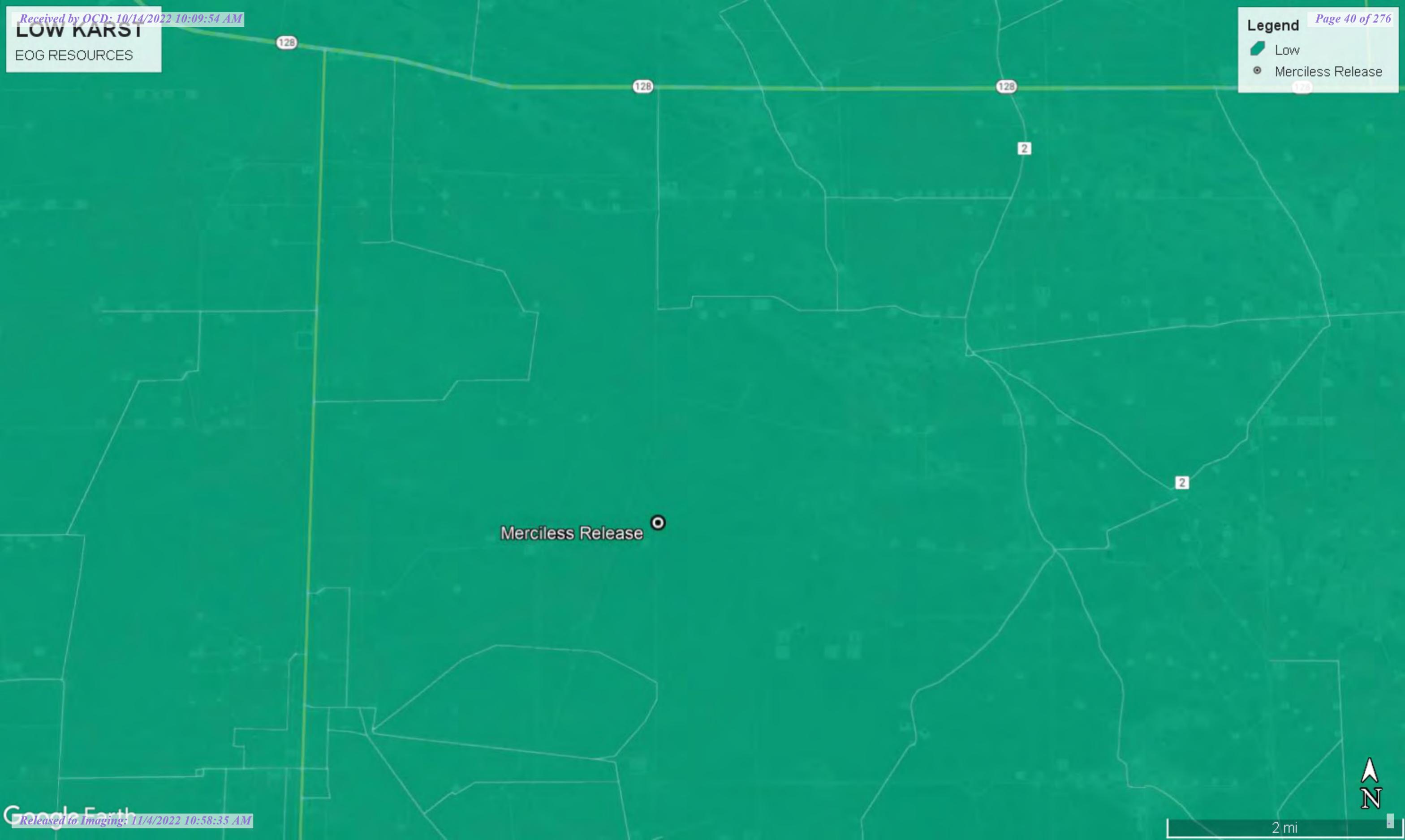
1 mi

# LOW KARST

EOG RESOURCES

**Legend**

-  Low
-  Merciless Release





# 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 02312</a>	CUB	LE	1	2	1	05	25S	33E	632292	3559772	2500	150	90	60	
<a href="#">C 04627</a> POD1	CUB	LE	3	3	4	08	25S	33E	632665	3556725	2993				

Average Depth to Water: **90 feet**  
 Minimum Depth: **90 feet**  
 Maximum Depth: **90 feet**

**Record Count: 2**

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

**Easting (X):** 630193

**Northing (Y):** 3558412.6

**Radius:** 4000

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



# 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>
NA	C 02312	1	2	1	05	25S	33E	632292	3559772

---

<b>Driller License:</b>	<b>Driller Company:</b>	
<b>Driller Name:</b> UNKNOWN		
<b>Drill Start Date:</b> 01/01/1948	<b>Drill Finish Date:</b> 06/30/1948	<b>Plug Date:</b>
<b>Log File Date:</b>	<b>PCW Rcv Date:</b>	<b>Source:</b>
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b> 20 GPM
<b>Casing Size:</b> 6.38	<b>Depth Well:</b> 150 feet	<b>Depth Water:</b> 90 feet

---

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

7/25/22 8:22 AM

POINT OF DIVERSION SUMMARY



USGS Home  
 Contact USGS  
 Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico GO

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs  
 site\_no list = 320956103353801

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

USGS 320956103353801 25S.33E.05.12122

Lea County, New Mexico  
 Latitude 32°09'59.4", Longitude 103°35'47.2" NAD83  
 Land-surface elevation 3,473.00 feet above NGVD29  
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
 This well is completed in the Santa Rosa Sandstone (231SNRS) 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
1981-03-25			D 62610		3365.17	NGVD29	1	Z		
1981-03-25			D 62611		3366.84	NAVD88	1	Z		
1981-03-25			D 72019	107.83			1	Z		
1986-03-12			D 62610		3363.66	NGVD29	1	Z		
1986-03-12			D 62611		3365.33	NAVD88	1	Z		
1986-03-12			D 72019	109.34			1	Z		
1991-06-06			D 62610		3365.42	NGVD29	1	Z		
1991-06-06			D 62611		3367.09	NAVD88	1	Z		
1991-06-06			D 72019	107.58			1	Z		
1996-03-07			D 62610		3364.11	NGVD29	P	S		
1996-03-07			D 62611		3365.78	NAVD88	P	S		
1996-03-07			D 72019	108.89			P	S		
2013-01-17	16:00 UTC		m 62610		3354.19	NGVD29	P	S		USGS
2013-01-17	16:00 UTC		m 62611		3355.86	NAVD88	P	S		USGS
2013-01-17	16:00 UTC		m 72019	118.81			P	S		USGS

Explanation

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

- [Questions about sites/data?](#)
- [Feedback on this web site](#)
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- [Help](#)
- [Data Tips](#)
- [Explanation of terms](#)
- [Subscribe for system changes](#)
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[Accessibility](#)  
 [FOIA](#)  
 [Privacy](#)  
 [Policies and Notices](#)

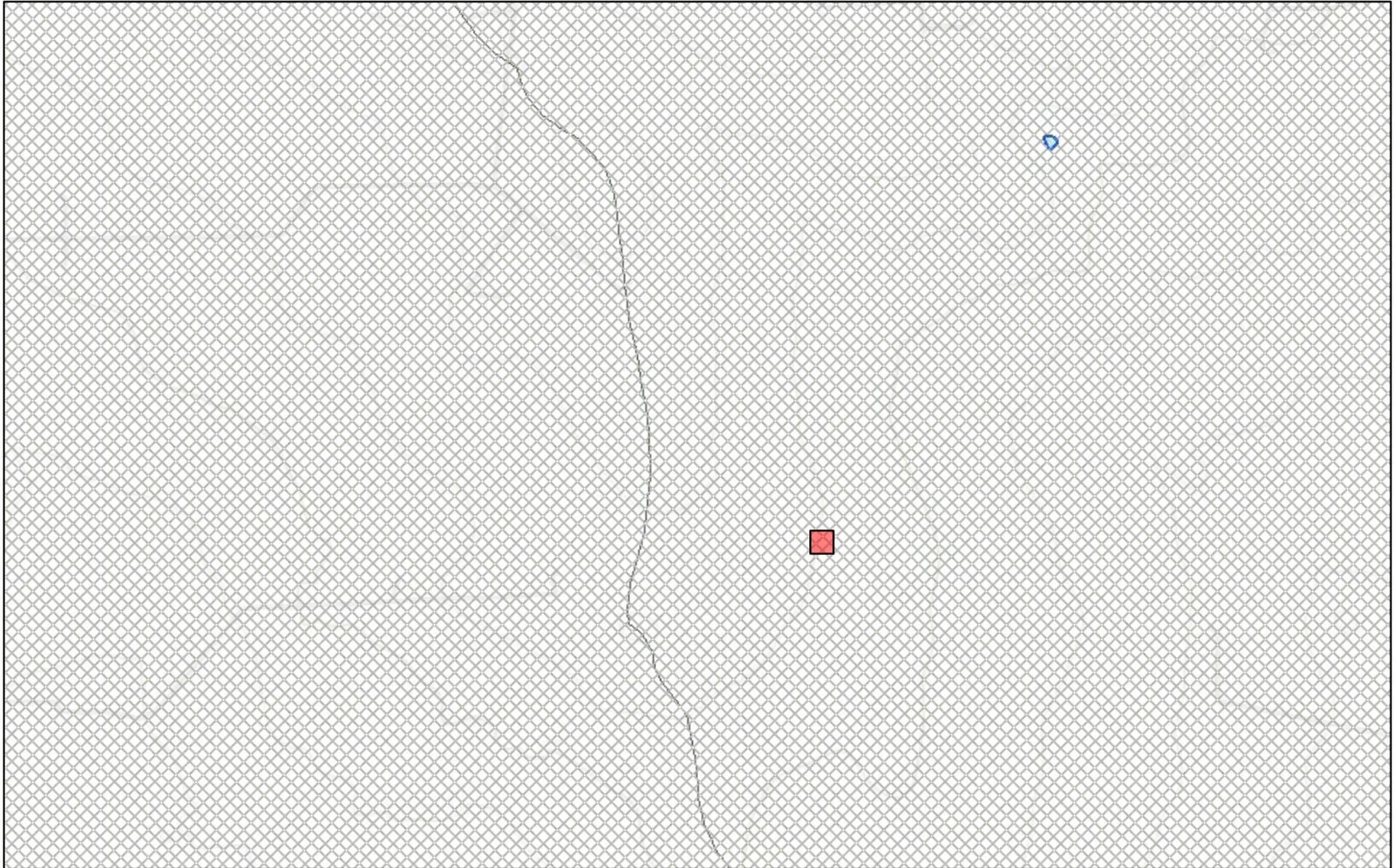
[U.S. Department of the Interior](#) | 
 [U.S. Geological Survey](#)

**Title: Groundwater for New Mexico: Water Levels**  
**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**

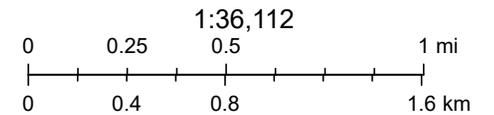


Page Contact Information: [New Mexico Water Data Maintainer](#)  
 Page Last Modified: 2022-07-25 10:24:01 EDT  
 0.29 0.24 nadww02

# New Mexico NFHL Data



July 25, 2022



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

[nmflood.org](http://nmflood.org) is made possible through a collaboration with NMDHSEM,

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# APPENDIX E

CARMONA RESOURCES





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

---

July 26, 2022

CONNER MOEHRING  
CARMONA RESOURCES  
310 W WALL ST SUITE 415  
MIDLAND, TX 79701

RE: MERCILESS RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/20/22 17:25.

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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 1 (0-1') (H223180-01)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	<b>624</b>	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
<b>DRO &gt;C10-C28*</b>	<b>34.4</b>	10.0	07/22/2022	ND	191	95.5	200	0.784	
<b>EXT DRO &gt;C28-C36</b>	<b>12.6</b>	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 69.7 % 43-149

Surrogate: 1-Chlorooctadecane 76.7 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 1 (1') (H223180-02)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	32.0	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 76.5 % 43-149

Surrogate: 1-Chlorooctadecane 83.3 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 1 (1.5') (H223180-03)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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
<b>Chloride</b>	<b>304</b>	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
<b>DRO &gt;C10-C28*</b>	<b>14.2</b>	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 43-149

Surrogate: 1-Chlorooctadecane 76.6 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 1 (2') (H223180-04)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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	32.0	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 43-149

Surrogate: 1-Chlorooctadecane 93.5 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 2 (0-1') (H223180-05)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	304	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 81.9 % 43-149

Surrogate: 1-Chlorooctadecane 81.6 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 2 (1') (H223180-06)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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
<b>Chloride</b>	<b>240</b>	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 79.5 % 43-149

Surrogate: 1-Chlorooctadecane 77.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 2 (1.5') (H223180-07)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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
<b>Chloride</b>	<b>432</b>	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
<b>DRO &gt;C10-C28*</b>	<b>10.4</b>	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 43-149

Surrogate: 1-Chlorooctadecane 74.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 2 (2') (H223180-08)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	48.0	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 43-149

Surrogate: 1-Chlorooctadecane 83.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 3 (0-1') (H223180-09)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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
<b>Chloride</b>	<b>768</b>	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
<b>DRO &gt;C10-C28*</b>	<b>20.6</b>	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 43-149

Surrogate: 1-Chlorooctadecane 79.7 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 07/20/2022  
 Reported: 07/26/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 07/20/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 3 (1') (H223180-10)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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>896</b>	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
<b>DRO &gt;C10-C28*</b>	<b>23.7</b>	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 86.1 % 43-149

Surrogate: 1-Chlorooctadecane 86.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 3 (1.5') (H223180-11)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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>464</b>	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
<b>DRO &gt;C10-C28*</b>	<b>18.9</b>	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 84.7 % 43-149

Surrogate: 1-Chlorooctadecane 85.2 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 3 (2') (H223180-12)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	32.0	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 43-149

Surrogate: 1-Chlorooctadecane 89.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 4 (0-1') (H223180-13)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 43-149

Surrogate: 1-Chlorooctadecane 96.3 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 4 (1') (H223180-14)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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>464</b>	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
<b>DRO &gt;C10-C28*</b>	<b>26.3</b>	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 43-149

Surrogate: 1-Chlorooctadecane 77.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 4 (1.5') (H223180-15)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 77.3 % 43-149

Surrogate: 1-Chlorooctadecane 79.5 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 4 (2') (H223180-16)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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	32.0	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 43-149

Surrogate: 1-Chlorooctadecane 85.8 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 5 (0-1') (H223180-17)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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
<b>Chloride</b>	<b>144</b>	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 99.0 % 43-149

Surrogate: 1-Chlorooctadecane 99.7 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 5 (1') (H223180-18)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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	64.0	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 43-149

Surrogate: 1-Chlorooctadecane 94.7 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 5 (1.5') (H223180-19)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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	48.0	16.0	07/22/2022	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	07/22/2022	ND	213	107	200	4.72	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.5	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 99.7 % 43-149

Surrogate: 1-Chlorooctadecane 96.9 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 5 (2') (H223180-20)**

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	07/22/2022	ND	2.07	103	2.00	6.03	
Toluene*	<0.050	0.050	07/22/2022	ND	2.14	107	2.00	6.31	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	6.08	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.70	112	6.00	5.92	
Total BTEX	<0.300	0.300	07/22/2022	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	64.0	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 96.9 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 6 (0-1') (H223180-21)**

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	07/22/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/22/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/22/2022	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	944	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 105 % 43-149

Surrogate: 1-Chlorooctadecane 108 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 6 (1') (H223180-22)**

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	07/22/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/22/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/22/2022	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	912	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 43-149

Surrogate: 1-Chlorooctadecane 90.6 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 6 (1.5') (H223180-23)**

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	07/22/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/22/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/22/2022	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	48.0	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 43-149

Surrogate: 1-Chlorooctadecane 96.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 6 (2') (H223180-24)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	32.0	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 85.7 % 43-149

Surrogate: 1-Chlorooctadecane 92.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 7 (0-1') (H223180-25)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	336	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 76.3 % 43-149

Surrogate: 1-Chlorooctadecane 79.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 7 (1') (H223180-26)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	352	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 79.7 % 43-149

Surrogate: 1-Chlorooctadecane 82.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 7 (1.5') (H223180-27)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	64.0	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 109 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 7 (2') (H223180-28)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	32.0	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 43-149

Surrogate: 1-Chlorooctadecane 92.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 8 (0-1') (H223180-29)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 73.0 % 43-149

Surrogate: 1-Chlorooctadecane 76.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 8 (1') (H223180-30)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	96.0	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 43-149

Surrogate: 1-Chlorooctadecane 94.8 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 8 (1.5') (H223180-31)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	32.0	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 43-149

Surrogate: 1-Chlorooctadecane 98.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 8 (2') (H223180-32)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	16.0	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 9 (0-1') (H223180-33)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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
<b>Chloride</b>	<b>560</b>	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 85.7 % 43-149

Surrogate: 1-Chlorooctadecane 90.7 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 9 (1') (H223180-34)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	528	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 75.1 % 43-149

Surrogate: 1-Chlorooctadecane 78.2 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 9 (1.5') (H223180-35)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	32.0	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 43-149

Surrogate: 1-Chlorooctadecane 82.8 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 9 (2') (H223180-36)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	32.0	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 77.4 % 43-149

Surrogate: 1-Chlorooctadecane 83.1 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 10 (0-1') (H223180-37)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 43-149

Surrogate: 1-Chlorooctadecane 99.1 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 10 (1') (H223180-38)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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>240</b>	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 43-149

Surrogate: 1-Chlorooctadecane 91.8 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 10 (1.5') (H223180-39)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	48.0	16.0	07/22/2022	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	07/22/2022	ND	210	105	200	0.359	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	199	99.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 86.7 % 43-149

Surrogate: 1-Chlorooctadecane 94.5 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 10 (2') (H223180-40)**

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	07/23/2022	ND	2.14	107	2.00	7.01	
Toluene*	<0.050	0.050	07/23/2022	ND	2.21	111	2.00	6.88	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.26	113	2.00	7.21	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.94	116	6.00	7.45	
Total BTEX	<0.300	0.300	07/23/2022	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	32.0	16.0	07/22/2022	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	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 73.8 % 43-149

Surrogate: 1-Chlorooctadecane 85.3 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 11 (0-1') (H223180-41)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	320	16.0	07/22/2022	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	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 63.8 % 43-149

Surrogate: 1-Chlorooctadecane 70.5 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 11 (1') (H223180-42)**

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	07/23/2022	ND	2.06	103	2.00	3.69		
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09		
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71		
Total BTEX	<0.300	0.300	07/23/2022	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	368	16.0	07/22/2022	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	07/22/2022	ND	233	117	200	1.44		
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240		
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND						

Surrogate: 1-Chlorooctane 59.6 % 43-149

Surrogate: 1-Chlorooctadecane 67.5 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 11 (1.5') (H223180-43)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	112	16.0	07/22/2022	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	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 72.7 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 11 (2') (H223180-44)**

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	07/23/2022	ND	2.06	103	2.00	3.69		
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09		
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53		
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71		
Total BTEX	<0.300	0.300	07/23/2022	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	112	16.0	07/22/2022	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	07/22/2022	ND	233	117	200	1.44		
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240		
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND						

Surrogate: 1-Chlorooctane 74.3 % 43-149

Surrogate: 1-Chlorooctadecane 83.4 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 12 (0-1') (H223180-45)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	384	16.0	07/22/2022	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	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 66.7 % 43-149

Surrogate: 1-Chlorooctadecane 73.7 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 12 (1') (H223180-46)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	480	16.0	07/22/2022	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	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 68.2 % 43-149

Surrogate: 1-Chlorooctadecane 75.8 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 12 (1.5') (H223180-47)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	64.0	16.0	07/22/2022	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	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 64.9 % 43-149

Surrogate: 1-Chlorooctadecane 69.6 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 12 (2') (H223180-48)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	80.0	16.0	07/22/2022	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	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 63.4 % 43-149

Surrogate: 1-Chlorooctadecane 71.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 13 (0-1') (H223180-49)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
<b>Ethylbenzene*</b>	<b>0.075</b>	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
<b>Total Xylenes*</b>	<b>0.510</b>	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
<b>Total BTEX</b>	<b>0.585</b>	0.300	07/23/2022	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>192</b>	16.0	07/22/2022	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	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 66.9 % 43-149

Surrogate: 1-Chlorooctadecane 72.0 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 13 (1') (H223180-50)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	128	16.0	07/22/2022	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	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 71.4 % 43-149

Surrogate: 1-Chlorooctadecane 75.6 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 13 (1.5') (H223180-51)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	07/22/2022	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	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 77.0 % 43-149

Surrogate: 1-Chlorooctadecane 84.3 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 13 (2') (H223180-52)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	32.0	16.0	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 69.7 % 43-149

Surrogate: 1-Chlorooctadecane 75.0 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 14 (0-1') (H223180-53)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	288	16.0	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 61.8 % 43-149

Surrogate: 1-Chlorooctadecane 66.8 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 14 (1') (H223180-54)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	336	16.0	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 65.9 % 43-149

Surrogate: 1-Chlorooctadecane 72.1 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 14 (1.5') (H223180-55)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 64.5 % 43-149

Surrogate: 1-Chlorooctadecane 70.3 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 14 (2') (H223180-56)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 68.3 % 43-149

Surrogate: 1-Chlorooctadecane 73.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 15 (0-1') (H223180-57)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	304	16.0	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 58.5 % 43-149

Surrogate: 1-Chlorooctadecane 61.6 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 15 (1') (H223180-58)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	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	336	16.0	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 61.4 % 43-149

Surrogate: 1-Chlorooctadecane 64.0 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 15 (1.5') (H223180-59)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 68.6 % 43-149

Surrogate: 1-Chlorooctadecane 74.1 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 15 (2') (H223180-60)**

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	07/23/2022	ND	2.06	103	2.00	3.69	
Toluene*	<0.050	0.050	07/23/2022	ND	2.12	106	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.11	106	2.00	3.53	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.40	107	6.00	3.71	
Total BTEX	<0.300	0.300	07/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 65.4 % 43-149

Surrogate: 1-Chlorooctadecane 70.7 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 16 (0-1') (H223180-61)**

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	07/22/2022	ND	2.09	104	2.00	8.36	
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60	
Total BTEX	<0.300	0.300	07/22/2022	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	144	16.0	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 58.0 % 43-149

Surrogate: 1-Chlorooctadecane 62.0 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 16 (1') (H223180-62)**

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	07/22/2022	ND	2.09	104	2.00	8.36	
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60	
Total BTEX	<0.300	0.300	07/22/2022	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	144	16.0	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 54.2 % 43-149

Surrogate: 1-Chlorooctadecane 57.0 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 16 (1.5') (H223180-63)**

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	07/22/2022	ND	2.09	104	2.00	8.36	
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60	
Total BTEX	<0.300	0.300	07/22/2022	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	32.0	16.0	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 66.0 % 43-149

Surrogate: 1-Chlorooctadecane 71.6 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 16 (2') (H223180-64)**

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	07/22/2022	ND	2.09	104	2.00	8.36	
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60	
Total BTEX	<0.300	0.300	07/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 66.5 % 43-149

Surrogate: 1-Chlorooctadecane 72.1 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 17 (0-1') (H223180-65)**

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	07/22/2022	ND	2.09	104	2.00	8.36	
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60	
Total BTEX	<0.300	0.300	07/22/2022	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	112	16.0	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 55.3 % 43-149

Surrogate: 1-Chlorooctadecane 58.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 17 (1') (H223180-66)**

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	07/22/2022	ND	2.09	104	2.00	8.36	
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60	
Total BTEX	<0.300	0.300	07/22/2022	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	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 83.0 % 43-149

Surrogate: 1-Chlorooctadecane 91.7 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 17 (1.5') (H223180-67)**

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	07/22/2022	ND	2.09	104	2.00	8.36		
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85		
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60		
Total BTEX	<0.300	0.300	07/22/2022	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	
<b>Chloride</b>	<b>48.0</b>	16.0	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10		
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114		
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND						

Surrogate: 1-Chlorooctane 77.3 % 43-149

Surrogate: 1-Chlorooctadecane 83.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 17 (2') (H223180-68)**

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	07/22/2022	ND	2.09	104	2.00	8.36	
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60	
Total BTEX	<0.300	0.300	07/22/2022	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	16.0	16.0	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 74.6 % 43-149

Surrogate: 1-Chlorooctadecane 80.4 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 07/20/2022  
 Reported: 07/26/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 07/20/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 18 (0-1') (H223180-69)**

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	07/22/2022	ND	2.09	104	2.00	8.36	
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60	
Total BTEX	<0.300	0.300	07/22/2022	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	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 63.7 % 43-149

Surrogate: 1-Chlorooctadecane 68.0 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 18 (1') (H223180-70)**

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	07/22/2022	ND	2.09	104	2.00	8.36	
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60	
Total BTEX	<0.300	0.300	07/22/2022	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	112	16.0	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 74.4 % 43-149

Surrogate: 1-Chlorooctadecane 80.3 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 18 (1.5') (H223180-71)**

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	07/22/2022	ND	2.09	104	2.00	8.36	
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60	
Total BTEX	<0.300	0.300	07/22/2022	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	16.0	16.0	07/22/2022	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	07/22/2022	ND	176	88.2	200	3.10	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	189	94.7	200	0.114	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 75.0 % 43-149

Surrogate: 1-Chlorooctadecane 81.4 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 18 (2') (H223180-72)**

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	07/22/2022	ND	2.09	104	2.00	8.36	
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60	
Total BTEX	<0.300	0.300	07/22/2022	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	32.0	16.0	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 43-149

Surrogate: 1-Chlorooctadecane 90.3 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 19 (0-1') (H223180-73)**

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	07/23/2022	ND	2.11	106	2.00	0.481	
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336	
Total BTEX	<0.300	0.300	07/23/2022	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	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 43-149

Surrogate: 1-Chlorooctadecane 72.2 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 19 (1') (H223180-74)**

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	07/23/2022	ND	2.11	106	2.00	0.481	
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336	
Total BTEX	<0.300	0.300	07/23/2022	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	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 43-149

Surrogate: 1-Chlorooctadecane 77.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 19 (1.5') (H223180-75)**

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	07/23/2022	ND	2.11	106	2.00	0.481	
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336	
Total BTEX	<0.300	0.300	07/23/2022	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	32.0	16.0	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 92.5 % 43-149

Surrogate: 1-Chlorooctadecane 85.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 19 (2') (H223180-76)**

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	07/23/2022	ND	2.11	106	2.00	0.481	
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336	
Total BTEX	<0.300	0.300	07/23/2022	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	32.0	16.0	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 43-149

Surrogate: 1-Chlorooctadecane 80.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 20 (0-1') (H223180-77)**

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	07/23/2022	ND	2.11	106	2.00	0.481		
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165		
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337		
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336		
Total BTEX	<0.300	0.300	07/23/2022	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	112	16.0	07/22/2022	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69		
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07		
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND						

Surrogate: 1-Chlorooctane 77.5 % 43-149

Surrogate: 1-Chlorooctadecane 70.0 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 20 (1') (H223180-78)**

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	07/23/2022	ND	2.11	106	2.00	0.481	
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336	
Total BTEX	<0.300	0.300	07/23/2022	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	176	16.0	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 81.0 % 43-149

Surrogate: 1-Chlorooctadecane 73.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 20 (1.5') (H223180-79)**

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	07/23/2022	ND	2.11	106	2.00	0.481		
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165		
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337		
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336		
Total BTEX	<0.300	0.300	07/23/2022	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	32.0	16.0	07/22/2022	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69		
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07		
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND						

Surrogate: 1-Chlorooctane 88.3 % 43-149

Surrogate: 1-Chlorooctadecane 82.1 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 20 (2') (H223180-80)**

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	07/23/2022	ND	2.11	106	2.00	0.481	
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336	
Total BTEX	<0.300	0.300	07/23/2022	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
<b>Chloride</b>	<b>16.0</b>	16.0	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 43-149

Surrogate: 1-Chlorooctadecane 80.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 21 (0-1') (H223180-81)**

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	07/23/2022	ND	2.11	106	2.00	0.481	
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336	
Total BTEX	<0.300	0.300	07/23/2022	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
<b>Chloride</b>	<b>160</b>	16.0	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
<b>DRO &gt;C10-C28*</b>	<b>10.4</b>	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 43-149

Surrogate: 1-Chlorooctadecane 77.8 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 21 (1') (H223180-82)**

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	07/23/2022	ND	2.11	106	2.00	0.481	
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336	
Total BTEX	<0.300	0.300	07/23/2022	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
<b>Chloride</b>	<b>144</b>	16.0	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
<b>DRO &gt;C10-C28*</b>	<b>14.0</b>	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 83.7 % 43-149

Surrogate: 1-Chlorooctadecane 78.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 21 (1.5') (H223180-83)**

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	07/23/2022	ND	2.11	106	2.00	0.481	
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336	
Total BTEX	<0.300	0.300	07/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 43-149

Surrogate: 1-Chlorooctadecane 80.1 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 21 (2') (H223180-84)**

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	07/23/2022	ND	2.11	106	2.00	0.481	
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336	
Total BTEX	<0.300	0.300	07/23/2022	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	<16.0	16.0	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 84.4 % 43-149

Surrogate: 1-Chlorooctadecane 77.9 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 22 (0-1') (H223180-85)**

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	07/23/2022	ND	2.11	106	2.00	0.481	
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336	
Total BTEX	<0.300	0.300	07/23/2022	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	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 64.2 % 43-149

Surrogate: 1-Chlorooctadecane 58.7 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 22 (1') (H223180-86)**

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	07/23/2022	ND	2.11	106	2.00	0.481	
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336	
Total BTEX	<0.300	0.300	07/23/2022	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	144	16.0	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 81.0 % 43-149

Surrogate: 1-Chlorooctadecane 74.4 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 22 (1.5') (H223180-87)**

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	07/25/2022	ND	2.15	107	2.00	2.93	
Toluene*	<0.050	0.050	07/25/2022	ND	2.18	109	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.24	112	2.00	2.88	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.85	114	6.00	2.57	
Total BTEX	<0.300	0.300	07/25/2022	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	<16.0	16.0	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 43-149

Surrogate: 1-Chlorooctadecane 82.5 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 22 (2') (H223180-88)**

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	07/25/2022	ND	2.15	107	2.00	2.93	
Toluene*	<0.050	0.050	07/25/2022	ND	2.18	109	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.24	112	2.00	2.88	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.85	114	6.00	2.57	
Total BTEX	<0.300	0.300	07/25/2022	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	<16.0	16.0	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 85.9 % 43-149

Surrogate: 1-Chlorooctadecane 80.4 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 23 (0-1') (H223180-89)**

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	07/25/2022	ND	2.15	107	2.00	2.93	
Toluene*	<0.050	0.050	07/25/2022	ND	2.18	109	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.24	112	2.00	2.88	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.85	114	6.00	2.57	
Total BTEX	<0.300	0.300	07/25/2022	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
<b>Chloride</b>	<b>128</b>	16.0	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2022	ND	215	107	200	3.69	
<b>DRO &gt;C10-C28*</b>	<b>18.6</b>	10.0	07/23/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 43-149

Surrogate: 1-Chlorooctadecane 79.4 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 23 (1') (H223180-90)**

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	07/25/2022	ND	2.15	107	2.00	2.93	
Toluene*	<0.050	0.050	07/25/2022	ND	2.18	109	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.24	112	2.00	2.88	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.85	114	6.00	2.57	
Total BTEX	<0.300	0.300	07/25/2022	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
<b>Chloride</b>	<b>160</b>	16.0	07/22/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2022	ND	215	107	200	3.69	
<b>DRO &gt;C10-C28*</b>	<b>24.3</b>	10.0	07/23/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 80.9 % 43-149

Surrogate: 1-Chlorooctadecane 75.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H223182

Page      of     

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Camrona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr.
City, State ZIP:	Midland TX 79701	City, State ZIP:	Midland, Texas 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

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

Project Name:	Merciless Release	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush																
Project Number:	1086	Due Date:															None: NO		
Project Location:	Lea Co, NM																Cool: Cool		
Sampler's Name:	CCM																HCL: HC		
PO #:																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Wet Ice:													H <sub>3</sub> PO <sub>4</sub> : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	Temperature Reading:	Corrected Temperature:													NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A																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"/> 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
T-3 (1.5)	7/20/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
T-3 (2)	7/20/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
T-4 (0-1)	7/20/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
T-4 (1)	7/20/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
T-4 (1.5)	7/20/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
T-4 (2)	7/20/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
T-5 (0-1)	7/20/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
T-5 (1)	7/20/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
T-5 (1.5)	7/20/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	X		
T-5 (2)	7/20/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	X		

mail to: Mike Carmona Mcarmona@camronaresources.com and Conner Moehring@camronaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Carmona</i>		<i>James Kennedy</i>	7-20-22 1725

Chain of Custody

Work Order No: A223180

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Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> P RP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> Depthund
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> R RP <input type="checkbox"/> Level IV
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Merciless Release	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	1086	Due Date:			
Project Location:	Lea Co, NM				
Sampler's Name:	CCM				
PO #:					
<b>SAMPLE RECEIPT</b>		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	-0.62
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	8.12
Total Containers:		Corrected Temperature:		Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes
T-6 (0-1')	7/20/2022		X		G	1	BTEX 8021B		None: NO Cool: Cool HCL: HC H <sub>2</sub> S <sub>0</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
T-6 (1')	7/20/2022		X		G	1	TPH 8015M ( GRO + DRO + MRO)		DI Water- H <sub>2</sub> O MeOH: Me HNO <sub>3</sub> : HN NaOH: Na
T-6 (1.5')	7/20/2022		X		G	1	Chloride 4500		
T-6 (2')	7/20/2022		X		G	1			
T-7 (0-1')	7/20/2022		X		G	1			
T-7 (1')	7/20/2022		X		G	1			
T-7 (1.5')	7/20/2022		X		G	1			
T-7 (2')	7/20/2022		X		G	1			
T-8 (0-1')	7/20/2022		X		G	1			
T-8 (1')	7/20/2022		X		G	1			

mail to: Mike Carmona Mcarmona@carmonaresources.com and Conner Moehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>		<i>[Signature]</i>	7-20-22 1725







Chain of Custody

Work Order No: A223180

Page      of     

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

Work Order Comments	
Program: UST/PRP	<input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> Deftund
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:	Merciless Release	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes
		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	
Project Number:	1086							
Project Location:	Lea Co, NM	Due Date:						
Sampler's Name:	CCM							
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 Infract:	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:		-0.6%				
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:		9.1%				
Total Containers:	N/A	Corrected Temperature:		9.5%				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
T-16 (0-1')	7/20/2022		X		G	1	X X X	
T-16 (1')	7/20/2022		X		G	1	X X X	
T-16(1.5')	7/20/2022		X		G	1	X X X	
T-16 (2')	7/20/2022		X		G	1	X X X	
T-17 (0-1')	7/20/2022		X		G	1	X X X	
T-17 (1')	7/20/2022		X		G	1	X X X	
T-17 (1.5')	7/20/2022		X		G	1	X X X	
T-17 (2')	7/20/2022		X		G	1	X X X	
T-18 (0-1')	7/20/2022		X		G	1	X X X	
T-18 (1')	7/20/2022		X		G	1	X X X	

mail to: Mike Carmona Mearmona@carmonaresources.com and Conner Moehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			7/20/22 17:55

Chain of Custody

Work Order No: H22318

Page      of     

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

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

Project Name:	Merciless Release	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush																			
Project Number:	1086	Due Date:															None: NO					
Project Location:	Lea Co, NM																Cool: Cool					
Sampler's Name:	CCM																HCL: HC					
PO #:																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>					
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP			
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:														NaHSO <sub>4</sub> : NABIS						
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:														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"/>	Corrected Temperature:														Zn Acetate+NaOH: Zn						
Total Containers:																NaOH+Ascorbic Acid: SAPC						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
T-18 (1.5')	7/20/2022		X		G	1	X	X	X													
T-18 (2')	7/20/2022		X		G	1	X	X	X													
T-19 (0-1')	7/20/2022		X		G	1	X	X	X													
T-19 (1')	7/20/2022		X		G	1	X	X	X													
T-19 (1.5')	7/20/2022		X		G	1	X	X	X													
T-19 (2')	7/20/2022		X		G	1	X	X	X													
T-20 (0-1')	7/20/2022		X		G	1	X	X	X													
T-20 (1')	7/20/2022		X		G	1	X	X	X													
T-20 (1.5')	7/20/2022		X		G	1	X	X	X													
T-20 (2')	7/20/2022		X		G	1	X	X	X													

mail to: Mike Carmona Mcarmona@carmonaresources.com and Conner Moehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>		<i>[Signature]</i>	7/20/22 1725





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

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July 26, 2022

CONNER MOEHRING  
CARMONA RESOURCES  
310 W WALL ST SUITE 415  
MIDLAND, TX 79701

RE: MERCILESS RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/20/22 17:25.

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 with a large, flowing "C" and "K".

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 07/20/2022  
 Reported: 07/26/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 07/20/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 23 (1.5') (H223181-01)**

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	07/25/2022	ND	2.15	107	2.00	2.93	
Toluene*	<0.050	0.050	07/25/2022	ND	2.18	109	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.24	112	2.00	2.88	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.85	114	6.00	2.57	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	07/22/2022	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	07/23/2022	ND	215	107	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 86.0 % 43-149

Surrogate: 1-Chlorooctadecane 79.8 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 23 (2') (H223181-02)**

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	07/25/2022	ND	2.15	107	2.00	2.93	
Toluene*	<0.050	0.050	07/25/2022	ND	2.18	109	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.24	112	2.00	2.88	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.85	114	6.00	2.57	
Total BTEX	<0.300	0.300	07/25/2022	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	<16.0	16.0	07/22/2022	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	07/22/2022	ND	200	100	200	4.24	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 105 % 43-149

Surrogate: 1-Chlorooctadecane 108 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 24 (0-1') (H223181-03)**

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	07/23/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/23/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/23/2022	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>96.0</b>	16.0	07/22/2022	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	07/22/2022	ND	200	100	200	4.24	
<b>DRO &gt;C10-C28*</b>	<b>29.0</b>	10.0	07/22/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 24 (1') (H223181-04)**

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	07/23/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/23/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/23/2022	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
<b>Chloride</b>	<b>80.0</b>	16.0	07/22/2022	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	07/22/2022	ND	200	100	200	4.24	
<b>DRO &gt;C10-C28*</b>	<b>31.0</b>	10.0	07/22/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 24 (1.5') (H223181-05)**

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	07/23/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/23/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/23/2022	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	16.0	16.0	07/22/2022	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	07/22/2022	ND	200	100	200	4.24	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 24 (2') (H223181-06)**

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	07/23/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/23/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/23/2022	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	<16.0	16.0	07/22/2022	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	07/22/2022	ND	200	100	200	4.24	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 77.4 % 43-149

Surrogate: 1-Chlorooctadecane 79.4 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 25 (0-1') (H223181-07)**

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	07/23/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/23/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/23/2022	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	07/22/2022	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	07/22/2022	ND	200	100	200	4.24	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 79.1 % 43-149

Surrogate: 1-Chlorooctadecane 80.5 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 07/20/2022  
 Reported: 07/26/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 07/20/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 25 (1') (H223181-08)**

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	07/23/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/23/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/23/2022	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	07/22/2022	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	07/22/2022	ND	200	100	200	4.24	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 98.9 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 25 (1.5') (H223181-09)**

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	07/23/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/23/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/23/2022	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	48.0	16.0	07/22/2022	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	07/22/2022	ND	200	100	200	4.24	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 43-149

Surrogate: 1-Chlorooctadecane 87.8 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 25 (2') (H223181-10)**

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	07/23/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/23/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/23/2022	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	32.0	16.0	07/22/2022	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	07/22/2022	ND	200	100	200	4.24	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 114 % 43-149

Surrogate: 1-Chlorooctadecane 116 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 26 (0-1') (H223181-11)**

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	07/25/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/25/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/25/2022	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
<b>Chloride</b>	<b>112</b>	16.0	07/22/2022	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	07/22/2022	ND	200	100	200	4.24	
<b>DRO &gt;C10-C28*</b>	<b>10.6</b>	10.0	07/22/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 96.0 % 43-149

Surrogate: 1-Chlorooctadecane 97.9 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 26 (1') (H223181-12)**

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	07/25/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/25/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/25/2022	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	96.0	16.0	07/22/2022	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	07/23/2022	ND	200	100	200	4.24	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 43-149

Surrogate: 1-Chlorooctadecane 79.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 26 (1.5') (H223181-13)**

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	07/25/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/25/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/25/2022	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>32.0</b>	16.0	07/22/2022	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	07/23/2022	ND	200	100	200	4.24	
<b>DRO &gt;C10-C28*</b>	<b>10.7</b>	10.0	07/23/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 109 % 43-149

Surrogate: 1-Chlorooctadecane 111 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 26 (2') (H223181-14)**

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	07/25/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/25/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/25/2022	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	32.0	16.0	07/22/2022	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	07/23/2022	ND	200	100	200	4.24	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 27 (0-1') (H223181-15)**

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	07/25/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/25/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/25/2022	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
<b>Chloride</b>	<b>112</b>	16.0	07/22/2022	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	07/23/2022	ND	200	100	200	4.24	
<b>DRO &gt;C10-C28*</b>	<b>41.8</b>	10.0	07/23/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 43-149

Surrogate: 1-Chlorooctadecane 93.9 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 27 (1') (H223181-16)**

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	07/25/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/25/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/25/2022	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>112</b>	16.0	07/22/2022	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	07/23/2022	ND	200	100	200	4.24	
<b>DRO &gt;C10-C28*</b>	<b>31.0</b>	10.0	07/23/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 27 (1.5') (H223181-17)**

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	07/25/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/25/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/25/2022	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	32.0	16.0	07/22/2022	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	07/23/2022	ND	200	100	200	4.24	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 43-149

Surrogate: 1-Chlorooctadecane 91.0 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 27 (2') (H223181-18)**

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	07/25/2022	ND	1.99	99.7	2.00	4.84		
Toluene*	<0.050	0.050	07/25/2022	ND	2.06	103	2.00	4.34		
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.10	105	2.00	4.90		
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.49	108	6.00	4.60		
Total BTEX	<0.300	0.300	07/25/2022	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	<16.0	16.0	07/22/2022	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	07/23/2022	ND	200	100	200	4.24		
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	190	95.1	200	2.81		
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND						

Surrogate: 1-Chlorooctane 113 % 43-149

Surrogate: 1-Chlorooctadecane 120 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 28 (0-1') (H223181-19)**

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	07/25/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/25/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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
<b>Chloride</b>	<b>128</b>	16.0	07/22/2022	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	07/23/2022	ND	200	100	200	4.24	
<b>DRO &gt;C10-C28*</b>	<b>49.9</b>	10.0	07/23/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 28 (1') (H223181-20)**

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	07/25/2022	ND	1.99	99.7	2.00	4.84	
Toluene*	<0.050	0.050	07/25/2022	ND	2.06	103	2.00	4.34	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.10	105	2.00	4.90	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.49	108	6.00	4.60	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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
<b>Chloride</b>	<b>112</b>	16.0	07/22/2022	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	07/23/2022	ND	200	100	200	4.24	
<b>DRO &gt;C10-C28*</b>	<b>68.3</b>	10.0	07/23/2022	ND	190	95.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 112 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 28 (1.5') (H223181-21)**

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	07/25/2022	ND	1.99	99.7	2.00	4.84		
Toluene*	<0.050	0.050	07/25/2022	ND	2.06	103	2.00	4.34		
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.10	105	2.00	4.90		
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.49	108	6.00	4.60		
Total BTEX	<0.300	0.300	07/25/2022	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	<16.0	16.0	07/22/2022	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	07/23/2022	ND	200	100	200	4.24		
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	190	95.1	200	2.81		
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND						

Surrogate: 1-Chlorooctane 109 % 43-149

Surrogate: 1-Chlorooctadecane 109 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 28 (2') (H223181-22)**

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	07/25/2022	ND	1.99	99.7	2.00	4.84		
Toluene*	<0.050	0.050	07/25/2022	ND	2.06	103	2.00	4.34		
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.10	105	2.00	4.90		
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.49	108	6.00	4.60		
Total BTEX	<0.300	0.300	07/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/22/2022	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	07/22/2022	ND	207	104	200	2.61		
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	196	98.1	200	3.37		
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND						

Surrogate: 1-Chlorooctane 92.2 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 29 (0-1') (H223181-23)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	07/22/2022	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	07/22/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 43-149

Surrogate: 1-Chlorooctadecane 83.1 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 29 (1') (H223181-24)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	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	112	16.0	07/22/2022	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	07/22/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 29 (1.5') (H223181-25)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	07/22/2022	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	07/22/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 43-149

Surrogate: 1-Chlorooctadecane 92.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 29 (2') (H223181-26)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/22/2022	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	07/22/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 43-149

Surrogate: 1-Chlorooctadecane 95.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 07/20/2022  
 Reported: 07/26/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 07/20/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: T - 30 (0-1') (H223181-27)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	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	112	16.0	07/22/2022	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	07/22/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 98.6 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 30 (1') (H223181-28)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94		
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28		
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66		
Total BTEX	<0.300	0.300	07/25/2022	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	
<b>Chloride</b>	<b>96.0</b>	16.0	07/22/2022	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	07/22/2022	ND	207	104	200	2.61		
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	196	98.1	200	3.37		
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND						

Surrogate: 1-Chlorooctane 83.8 % 43-149

Surrogate: 1-Chlorooctadecane 86.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 30 (1.5') (H223181-29)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/25/2022	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	07/22/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 106 % 43-149

Surrogate: 1-Chlorooctadecane 115 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 30 (2') (H223181-30)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	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
<b>Chloride</b>	<b>16.0</b>	16.0	07/25/2022	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	07/23/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 31 (0-1') (H223181-31)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	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	160	16.0	07/25/2022	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	07/23/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 43-149

Surrogate: 1-Chlorooctadecane 89.4 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 31 (1') (H223181-32)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	240	16.0	07/25/2022	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	07/23/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 31 (1.5') (H223181-33)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	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	<16.0	16.0	07/25/2022	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	07/23/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 99.0 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 31 (2') (H223181-34)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	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	<16.0	16.0	07/25/2022	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	07/23/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 108 % 43-149

Surrogate: 1-Chlorooctadecane 114 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 32 (0-1') (H223181-35)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/25/2022	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	07/23/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 80.1 % 43-149

Surrogate: 1-Chlorooctadecane 84.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 32 (1') (H223181-36)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/25/2022	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	07/23/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 43-149

Surrogate: 1-Chlorooctadecane 78.6 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 32 (1.5') (H223181-37)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/25/2022	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	07/23/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 32 (2') (H223181-38)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	07/25/2022	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	07/23/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 94.0 % 43-149

Surrogate: 1-Chlorooctadecane 97.5 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 33 (0-1') (H223181-39)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	07/25/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/23/2022	ND	207	104	200	2.61		
<b>DRO &gt;C10-C28*</b>	<b>4010</b>	10.0	07/23/2022	ND	196	98.1	200	3.37		
<b>EXT DRO &gt;C28-C36</b>	<b>485</b>	10.0	07/23/2022	ND						

Surrogate: 1-Chlorooctane 88.0 % 43-149

Surrogate: 1-Chlorooctadecane 226 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 33 (1') (H223181-40)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	07/25/2022	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	07/23/2022	ND	207	104	200	2.61	
<b>DRO &gt;C10-C28*</b>	<b>1260</b>	10.0	07/23/2022	ND	196	98.1	200	3.37	
<b>EXT DRO &gt;C28-C36</b>	<b>142</b>	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 91.1 % 43-149

Surrogate: 1-Chlorooctadecane 148 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 33 (1.5') (H223181-41)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	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	32.0	16.0	07/25/2022	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	07/23/2022	ND	207	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	196	98.1	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 95.8 % 43-149

Surrogate: 1-Chlorooctadecane 99.7 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: T - 33 (2') (H223181-42)**

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	07/25/2022	ND	1.88	94.0	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2022	ND	2.17	108	2.00	5.94	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.13	106	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.72	112	6.00	6.66	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/25/2022	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	07/22/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 74.4 % 43-149

Surrogate: 1-Chlorooctadecane 86.3 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 1 (0-0.5) (H223181-43)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	07/25/2022	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	07/22/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 78.6 % 43-149

Surrogate: 1-Chlorooctadecane 91.5 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 2 (0-0.5) (H223181-44)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/25/2022	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	07/22/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 81.4 % 43-149

Surrogate: 1-Chlorooctadecane 94.6 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 3 (0-0.5) (H223181-45)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/25/2022	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	07/22/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 86.1 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 4 (0-0.5) (H223181-46)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	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	16.0	16.0	07/25/2022	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	07/22/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 86.7 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 5 (0-0.5) (H223181-47)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/25/2022	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	07/22/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 88.4 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 07/20/2022  
 Reported: 07/26/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 07/20/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 6 (0-0.5) (H223181-48)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	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	<16.0	16.0	07/25/2022	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	07/22/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 83.6 % 43-149

Surrogate: 1-Chlorooctadecane 98.4 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 7 (0-0.5) (H223181-49)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	07/25/2022	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	07/23/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 74.8 % 43-149

Surrogate: 1-Chlorooctadecane 88.0 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 07/20/2022  
 Reported: 07/26/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 07/20/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 8 (0-0.5) (H223181-50)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	07/25/2022	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	07/23/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 78.4 % 43-149

Surrogate: 1-Chlorooctadecane 91.7 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 07/20/2022  
 Reported: 07/26/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 07/20/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 9 (0-0.5) (H223181-51)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	07/25/2022	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	07/23/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 77.9 % 43-149

Surrogate: 1-Chlorooctadecane 91.1 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 07/20/2022  
 Reported: 07/26/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 07/20/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 10 (0-0.5) (H223181-52)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/25/2022	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	07/23/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 81.0 % 43-149

Surrogate: 1-Chlorooctadecane 95.3 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 11 (0-0.5) (H223181-53)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	07/25/2022	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	07/23/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 43-149

Surrogate: 1-Chlorooctadecane 92.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 12 (0-0.5) (H223181-54)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	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	<16.0	16.0	07/25/2022	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	07/23/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 81.8 % 43-149

Surrogate: 1-Chlorooctadecane 96.2 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 13 (0-0.5) (H223181-55)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	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	32.0	16.0	07/25/2022	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	07/23/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 43-149

Surrogate: 1-Chlorooctadecane 97.5 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 14 (0-0.5) (H223181-56)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	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	<16.0	16.0	07/25/2022	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	07/23/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 77.4 % 43-149

Surrogate: 1-Chlorooctadecane 93.2 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 15 (0-0.5) (H223181-57)**

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	07/25/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/25/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/25/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/25/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	07/25/2022	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	07/23/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 76.2 % 43-149

Surrogate: 1-Chlorooctadecane 91.4 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 16 (0-0.5) (H223181-58)**

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	07/26/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/26/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/26/2022	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	<16.0	16.0	07/25/2022	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	07/23/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 77.6 % 43-149

Surrogate: 1-Chlorooctadecane 91.3 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 17 (0-0.5) (H223181-59)**

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	07/26/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/26/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/25/2022	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	07/23/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 79.8 % 43-149

Surrogate: 1-Chlorooctadecane 92.4 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 18 (0-0.5) (H223181-60)**

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	07/26/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/26/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/25/2022	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	07/23/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 80.8 % 43-149

Surrogate: 1-Chlorooctadecane 95.7 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 07/20/2022  
 Reported: 07/26/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 07/20/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 19 (0-0.5) (H223181-61)**

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	07/26/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/26/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/25/2022	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	07/23/2022	ND	186	93.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	191	95.3	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 76.9 % 43-149

Surrogate: 1-Chlorooctadecane 90.6 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 20 (0-0.5) (H223181-62)**

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	07/26/2022	ND	1.88	93.8	2.00	5.05	
Toluene*	<0.050	0.050	07/26/2022	ND	2.09	104	2.00	3.78	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.04	102	2.00	5.33	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.42	107	6.00	5.03	
Total BTEX	<0.300	0.300	07/26/2022	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	<16.0	16.0	07/25/2022	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	07/25/2022	ND	182	91.0	200	0.444	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	192	96.2	200	0.0629	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 74.6 % 43-149

Surrogate: 1-Chlorooctadecane 82.5 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 21 (0-0.5) (H223181-63)**

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	07/23/2022	ND	2.03	102	2.00	3.32	
Toluene*	<0.050	0.050	07/23/2022	ND	2.08	104	2.00	3.60	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.10	105	2.00	3.52	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.42	107	6.00	4.10	
Total BTEX	<0.300	0.300	07/23/2022	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	16.0	16.0	07/25/2022	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	07/25/2022	ND	182	91.0	200	0.444	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	192	96.2	200	0.0629	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 43-149

Surrogate: 1-Chlorooctadecane 84.8 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 22 (0-0.5) (H223181-64)**

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	07/23/2022	ND	2.03	102	2.00	3.32	
Toluene*	<0.050	0.050	07/23/2022	ND	2.08	104	2.00	3.60	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.10	105	2.00	3.52	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.42	107	6.00	4.10	
Total BTEX	<0.300	0.300	07/23/2022	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	<16.0	16.0	07/25/2022	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	07/25/2022	ND	182	91.0	200	0.444	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	192	96.2	200	0.0629	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 76.3 % 43-149

Surrogate: 1-Chlorooctadecane 84.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 23 (0-0.5) (H223181-65)**

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	07/23/2022	ND	2.03	102	2.00	3.32	
Toluene*	<0.050	0.050	07/23/2022	ND	2.08	104	2.00	3.60	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.10	105	2.00	3.52	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.42	107	6.00	4.10	
Total BTEX	<0.300	0.300	07/23/2022	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	<16.0	16.0	07/25/2022	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	07/25/2022	ND	182	91.0	200	0.444	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	192	96.2	200	0.0629	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 72.8 % 43-149

Surrogate: 1-Chlorooctadecane 81.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: H - 24 (0-0.5) (H223181-66)**

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	07/23/2022	ND	2.03	102	2.00	3.32	
Toluene*	<0.050	0.050	07/23/2022	ND	2.08	104	2.00	3.60	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.10	105	2.00	3.52	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.42	107	6.00	4.10	
Total BTEX	<0.300	0.300	07/23/2022	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	<16.0	16.0	07/25/2022	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	07/25/2022	ND	182	91.0	200	0.444	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	192	96.2	200	0.0629	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 71.8 % 43-149

Surrogate: 1-Chlorooctadecane 79.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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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.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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: H223181

Project Manager:	Corner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

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

Project Name:	Merckless Release		Turn Around	Prep. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	1086		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush														None: NO	DI Water: H <sub>2</sub> O
Project Location:	Lea Co, NM		Due Date:															Cool: Cool	MeOH: Me
Sampler's Name:	CCM																	HCL: HC	HNO <sub>3</sub> : HN
PO #:																		H <sub>2</sub> S <sub>2</sub> O <sub>4</sub> : H <sub>2</sub>	NaOH: Na
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters										H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:				BTEX 8021B												NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:				TPH 8015M ( GRO + DRO + MRO)												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"/> N/A	Temperature Reading:				Chloride 4500												Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Sample Comments		
T-31 (0-1')	7/20/2022		X		G	1	X	X	X										
T-31 (1')	7/20/2022		X		G	1	X	X	X										
T-31 (1.5')	7/20/2022		X		G	1	X	X	X										
T-31 (2')	7/20/2022		X		G	1	X	X	X										
T-32 (0-1')	7/20/2022		X		G	1	X	X	X										
T-32 (1')	7/20/2022		X		G	1	X	X	X										
T-32 (1.5')	7/20/2022		X		G	1	X	X	X										
T-32 (2')	7/20/2022		X		G	1	X	X	X										
T-33 (0-1')	7/20/2022		X		G	1	X	X	X										
T-33 (1')	7/20/2022		X		G	1	X	X	X										

Mail to: Mike Carmona Mcarmona@carmonaresources.com and Conner Moehring@carmonaresources.com

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

*[Signature]*

*[Signature]*

7-20-22 1725









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

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August 11, 2022

CONNER MOEHRING  
CARMONA RESOURCES  
310 W WALL ST SUITE 415  
MIDLAND, TX 79701

RE: MERCILESS RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/10/22 8:00.

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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 1 (1.5') (H223571-01)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	QR-03	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19		
Total BTEX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 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	
<b>Chloride</b>	<b>48.0</b>	16.0	08/10/2022	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	08/10/2022	ND	223	112	200	9.96		
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67		
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND						

Surrogate: 1-Chlorooctane 90.5 % 43-149

Surrogate: 1-Chlorooctadecane 88.5 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 2 (1.5') (H223571-02)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 113 % 43-149

Surrogate: 1-Chlorooctadecane 112 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 3 (1.5') (H223571-03)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	48.0	16.0	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 43-149

Surrogate: 1-Chlorooctadecane 88.0 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 4 (1.5') (H223571-04)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 89.8 % 43-149

Surrogate: 1-Chlorooctadecane 88.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 5 (1.5') (H223571-05)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	48.0	16.0	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 43-149

Surrogate: 1-Chlorooctadecane 90.2 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 6 (1.5') (H223571-06)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	48.0	16.0	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 1 (1.5') (H223571-07)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	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	32.0	16.0	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 89.4 % 43-149

Surrogate: 1-Chlorooctadecane 87.3 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 2 (1.5') (H223571-08)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	48.0	16.0	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 43-149

Surrogate: 1-Chlorooctadecane 90.5 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 3 (1.5') (H223571-09)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	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	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 66.7 % 43-149

Surrogate: 1-Chlorooctadecane 64.4 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 4 (1.5') (H223571-10)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	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	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 78.7 % 43-149

Surrogate: 1-Chlorooctadecane 80.0 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 5 (1.5') (H223571-11)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	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	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 08/10/2022  
 Reported: 08/11/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 6 (1.5') (H223571-12)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	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	32.0	16.0	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 86.9 % 43-149

Surrogate: 1-Chlorooctadecane 86.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 7 (1.5') (H223571-13)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	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	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 86.7 % 43-149

Surrogate: 1-Chlorooctadecane 83.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 8 (1.5') (H223571-14)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	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	32.0	16.0	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 92.5 % 43-149

Surrogate: 1-Chlorooctadecane 91.3 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 9 (1.5') (H223571-15)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	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	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 99.4 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 08/10/2022  
 Reported: 08/11/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 10 (1.5') (H223571-16)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	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	48.0	16.0	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 43-149

Surrogate: 1-Chlorooctadecane 97.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 11 (1.5') (H223571-17)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	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	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 43-149

Surrogate: 1-Chlorooctadecane 85.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 12 (1.5') (H223571-18)**

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	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTEX	<0.300	0.300	08/10/2022	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	48.0	16.0	08/10/2022	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	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 43-149

Surrogate: 1-Chlorooctadecane 91.9 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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: H223571

Page 1 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

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

Project Name:	Merleless Release	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST	Preservative Codes
Project Number:	1086	Due Date:					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						DI Water: H <sub>2</sub> O MeOH: Me HNO <sub>3</sub> : HN NaOH: Na
Sampler's Name:	CCM		24HR				
PO #:							

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
CS-1 (1.5')	8/8/2022		X		C	1	BTEX 8021B TPH 8015M ( GRO + DRO + MRO) Chloride 4500	
CS-2 (1.5')	8/8/2022		X		C	1		
CS-3 (1.5')	8/8/2022		X		C	1		
CS-4 (1.5')	8/8/2022		X		C	1		
CS-5 (1.5')	8/8/2022		X		C	1		
CS-6 (1.5')	8/8/2022		X		C	1		
SW-1 (1.5')	8/8/2022		X		C	1		
SW-2 (1.5')	8/8/2022		X		C	1		
SW-3 (1.5')	8/8/2022		X		C	1		
SW-4 (1.5')	8/8/2022		X		C	1		

Email to: Mike Carmona [mcarmona@carmonaresources.com](mailto:mcarmona@carmonaresources.com) and Conner Moehring [cmoehring@carmonaresources.com](mailto:cmoehring@carmonaresources.com)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	8/10/22 0800	<i>[Signature]</i>	8-16-22 0800

Chain of Custody

Work Order No: H223571

Page 2 of 2

Project Manager:	Comer Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr.
City, State Zip:	Midland, TX 79701	City, State Zip:	Midland, Texas 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

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

Project Name:	Project Number:	Project Location:	Sample's Name:	PO #:	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes	
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500		
Merciless Release	1086	Lea Co. NM	CCM		<input type="checkbox"/>	<input checked="" type="checkbox"/>						
SAMPLE RECEIPT					Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:					
Received Intact:					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Correction Factor:					
Cooler Custody Seals:					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	Temperature Reading:					
Sample Custody Seals:					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	Corrected Temperature:					
Total Containers:												
Sample Identification	Date	Time	Soil	Water	Grab Comp	# of Cont						
SW-5 (1.5')	8/8/2022		X		C	1	X	X	X			
SW-6 (1.5')	8/8/2022		X		C	1	X	X	X			
SW-7 (1.5')	8/8/2022		X		C	1	X	X	X			
SW-8 (1.5')	8/8/2022		X		C	1	X	X	X			
SW-9 (1.5')	8/8/2022		X		C	1	X	X	X			
SW-10 (1.5')	8/8/2022		X		C	1	X	X	X			
SW-11 (1.5')	8/8/2022		X		C	1	X	X	X			
SW-12 (1.5')	8/8/2022		X		C	1	X	X	X			

Email to: Mike Carmona Mcarmona@carmonaresources.com and Comer Moehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	8/10/22 8:00	<i>[Signature]</i>	8-10-22 0800



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August 11, 2022

CONNER MOEHRING  
CARMONA RESOURCES  
310 W WALL ST SUITE 415  
MIDLAND, TX 79701

RE: MERCILESS RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/10/22 16:40.

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, flowing style.

Celey D. Keene  
Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 7 (1.5') (H223601-01)**

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	08/11/2022	ND	1.91	95.7	2.00	1.02	
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	240	16.0	08/11/2022	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	08/10/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 43-149

Surrogate: 1-Chlorooctadecane 87.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 8 (1.5') (H223601-02)**

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	08/11/2022	ND	1.91	95.7	2.00	1.02	
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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>32.0</b>	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
<b>DRO &gt;C10-C28*</b>	<b>28.4</b>	10.0	08/11/2022	ND	222	111	200	3.78	
<b>EXT DRO &gt;C28-C36</b>	<b>15.9</b>	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 94.7 % 43-149

Surrogate: 1-Chlorooctadecane 98.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 08/10/2022  
 Reported: 08/11/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 9 (1.5') (H223601-03)**

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	08/11/2022	ND	1.91	95.7	2.00	1.02	
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38	
Total BTEX	<0.300	0.300	08/11/2022	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	224	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 94.9 % 43-149

Surrogate: 1-Chlorooctadecane 97.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 10 (1.5') (H223601-04)**

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	08/11/2022	ND	1.91	95.7	2.00	1.02	
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 78.4 % 43-149

Surrogate: 1-Chlorooctadecane 79.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 11 (1.5') (H223601-05)**

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	08/11/2022	ND	1.91	95.7	2.00	1.02		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38		
Total BTEX	<0.300	0.300	08/11/2022	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	32.0	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94		
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78		
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND						

Surrogate: 1-Chlorooctane 98.6 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 12 (1.5') (H223601-06)**

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	08/11/2022	ND	1.91	95.7	2.00	1.02	
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 96.7 % 43-149

Surrogate: 1-Chlorooctadecane 99.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 13 (1.5') (H223601-07)**

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	08/11/2022	ND	1.91	95.7	2.00	1.02	
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38	
Total BTEX	<0.300	0.300	08/11/2022	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	48.0	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 98.2 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 14 (1.5') (H223601-08)**

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	08/11/2022	ND	1.91	95.7	2.00	1.02	
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	32.0	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 08/10/2022  
 Reported: 08/11/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 15 (1.5') (H223601-09)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92	
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	80.0	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 43-149

Surrogate: 1-Chlorooctadecane 99.0 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 08/10/2022  
 Reported: 08/11/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 16 (1.5') (H223601-10)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92	
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	32.0	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 91.8 % 43-149

Surrogate: 1-Chlorooctadecane 95.9 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: CS - 17 (1.5') (H223601-11)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92		
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20		
Total BTEX	<0.300	0.300	08/11/2022	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	16.0	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94		
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78		
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND						

Surrogate: 1-Chlorooctane 92.6 % 43-149

Surrogate: 1-Chlorooctadecane 94.8 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 08/10/2022  
 Reported: 08/11/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 18 (1.5') (H223601-12)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92	
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20	
Total BTEX	<0.300	0.300	08/11/2022	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	32.0	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 43-149

Surrogate: 1-Chlorooctadecane 91.2 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 08/10/2022  
 Reported: 08/11/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 13 (1.5') (H223601-13)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92	
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 96.0 % 43-149

Surrogate: 1-Chlorooctadecane 96.7 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 14 (1.5') (H223601-14)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92	
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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
<b>Chloride</b>	<b>160</b>	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 81.0 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 15 (1.5') (H223601-15)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92		
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20		
Total BTEX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	08/11/2022	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	08/11/2022	ND	212	106	200	4.94		
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78		
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND						

Surrogate: 1-Chlorooctane 93.2 % 43-149

Surrogate: 1-Chlorooctadecane 95.4 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 16 (1.5') (H223601-16)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92	
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20	
Total BTEX	<0.300	0.300	08/11/2022	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	96.0	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 96.0 % 43-149

Surrogate: 1-Chlorooctadecane 99.0 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 17 (1.5') (H223601-17)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92	
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20	
Total BTEX	<0.300	0.300	08/11/2022	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	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 90.4 % 43-149

Surrogate: 1-Chlorooctadecane 93.3 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 18 (1.5') (H223601-18)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92	
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20	
Total BTEX	<0.300	0.300	08/11/2022	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	48.0	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 86.7 % 43-149

Surrogate: 1-Chlorooctadecane 88.6 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 19 (1.5') (H223601-19)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92	
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20	
Total BTEX	<0.300	0.300	08/11/2022	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	48.0	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 20 (1.5') (H223601-20)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92	
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	112	16.0	08/11/2022	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	08/11/2022	ND	212	106	200	4.94	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	222	111	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 80.0 % 43-149

Surrogate: 1-Chlorooctadecane 80.0 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 21 (1.5') (H223601-21)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92		
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20		
Total BTEX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	48.0	16.0	08/11/2022	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	08/11/2022	ND	224	112	200	1.27		
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	209	104	200	2.93		
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND						

Surrogate: 1-Chlorooctane 96.4 % 43-149

Surrogate: 1-Chlorooctadecane 111 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 22 (1.5') (H223601-22)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92		
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20		
Total BTEX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	08/11/2022	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	08/11/2022	ND	224	112	200	1.27		
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	209	104	200	2.93		
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND						

Surrogate: 1-Chlorooctane 92.7 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 23 (1.5') (H223601-23)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92	
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20	
Total BTEX	<0.300	0.300	08/11/2022	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	16.0	16.0	08/11/2022	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	08/11/2022	ND	224	112	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	209	104	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 79.0 % 43-149

Surrogate: 1-Chlorooctadecane 91.1 % 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  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 24 (1.5') (H223601-24)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92		
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20		
Total BTEX	<0.300	0.300	08/11/2022	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	32.0	16.0	08/11/2022	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	08/11/2022	ND	224	112	200	1.27		
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	209	104	200	2.93		
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND						

Surrogate: 1-Chlorooctane 83.7 % 43-149

Surrogate: 1-Chlorooctadecane 96.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 08/10/2022  
 Reported: 08/11/2022  
 Project Name: MERCILESS RELEASE  
 Project Number: 1086  
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 25 (1.5') (H223601-25)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92	
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20	
Total BTEX	<0.300	0.300	08/11/2022	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	48.0	16.0	08/11/2022	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	08/11/2022	ND	224	112	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	209	104	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 89.4 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	MERCILESS RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1086	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO., NM		

**Sample ID: SW - 26 (1.5') (H223601-26)**

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	08/11/2022	ND	1.95	97.3	2.00	7.92	
Toluene*	<0.050	0.050	08/11/2022	ND	2.07	103	2.00	8.64	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.11	105	2.00	8.72	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.44	107	6.00	8.20	
Total BTEX	<0.300	0.300	08/11/2022	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	32.0	16.0	08/11/2022	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	08/11/2022	ND	224	112	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	209	104	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 43-149

Surrogate: 1-Chlorooctadecane 89.7 % 42.5-161

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager







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

CONDITIONS

Action 150973

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 150973
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	11/4/2022