



## SITE INFORMATION

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**Closure Report**  
**Naguss BRN State Com #1H**  
**Lea County, New Mexico**  
**Unit M Sec 30 T21S R34E**  
**Incident #: NAPP222859538**  
**32.444002°, -103.517235°**

**Produced Water Release**  
**Point of Release: Fire from Lighting Strike**  
**Release Date: 10/09/2022**  
**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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January 3, 2023

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

**Re: Closure Report  
Naguss BRN State Com #1H  
EOG Resources, Inc  
Site Location: Unit M, S30, T21S, R34E  
(Lat 32.444002°, Long -103.517235°)  
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 and remediation activities for the Naguss BRN State Com #1H. The site is located at 32.444002, -103.517235 within Unit M, S30, T21S, R34E, 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 fire was discovered on October 9, 2022, caused by a lightning strike at a tank battery. All fluids remained inside the tank or was burned in the fire. The impacted area is shown in Figure 3. The initial C-141 form is attached in Appendix C.

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

The site is located within a low area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known monitoring well is within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.17 miles Northwest of the site in S25, T21S, R33E, and was drilled in 1986. The well has a reported depth to groundwater of 55.66' feet below ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

310 West Wall Street, Suite 415  
Midland TX, 79701  
432.813.1992

## **4.0 Site Assessment Activities**

### **Initial Assessment**

On October 19, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. One (1) sample point (S-1) and four (4) horizontal points (H-1 through H-4) were installed to total depths ranging from surface to 0.5 ft below the surface. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix D. See Table 1 for the analytical results. The sample locations are shown in Figure 3.

### **Liner Inspection**

Based on the initial assessment, laboratory results, and visual observations, the pea gravel inside the lined tank battery was removed to check the liner's integrity. The liner integrity was compromised, with multiple holes and rips being discovered. A contractor was hired to remove and dispose of the liner to proper disposal.

### **Trenching Activities**

On November 2, 2022, Carmona Resources, LLC performed additional site assessment activities after tanks were removed from the containment area to further evaluate the impact. Three (3) trenches (T-1 through T-3) were advanced to depths ranging from the surface to 5' bgs inside the release area to assess the vertical extent. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results. The sample locations are shown in Figure 3.

Vertical delineation was achieved in all samples. Refer to Table 1.

## **5.0 Remediation Activities**

Carmona Resources personnel was onsite to oversee excavation activities and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via email on November 10, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of T-2 were excavated to a depth of 3.0' below the surface. The area of T-3 was excavated to a depth of 5' and 6' below the surface. A total of eighteen (18) confirmation floor samples were collected (CS-1 through CS-18), and eleven (11) sidewall samples (SW-1 through SW-11) were collected every 200 square feet to ensure the proper

removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 910 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 get in touch with us at 432-813-1992.

Sincerely,  
**Carmona Resources, LLC**



Conner Moehring  
Sr. Project Manager

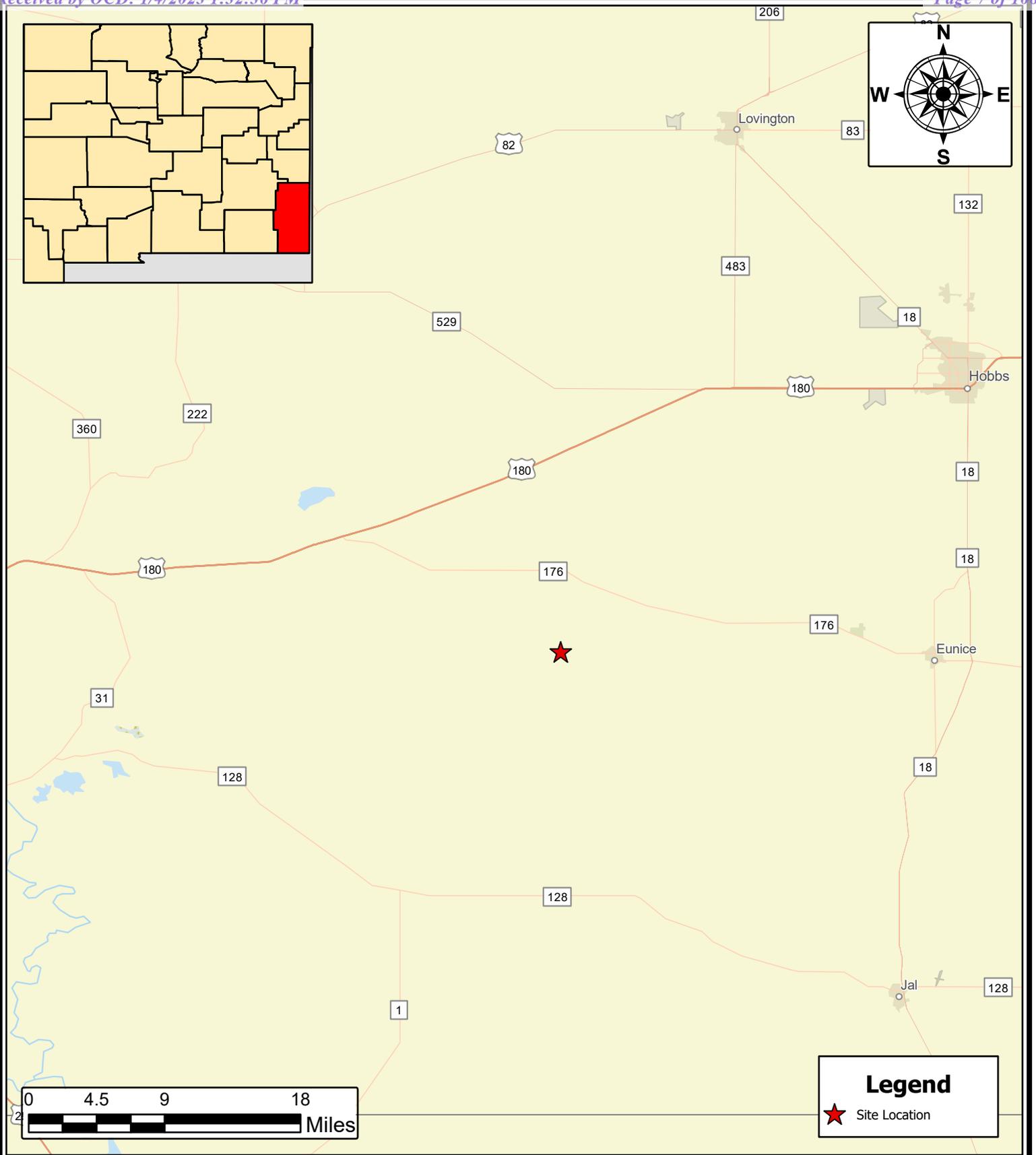


Ashton Thielke  
Sr. Project Manager

# FIGURES

CARMONA RESOURCES





**Legend**

★ Site Location

**OVERVIEW MAP**  
**EOG RESOURCES**  
 NAGUSS BRN STATE COM #1H  
 LEA COUNTY, NEW MEXICO  
 32.444002, -103.517235

SCALE: As Shown      Date: 11/9/2022

**CARMONA RESOURCES**

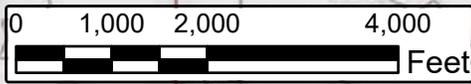
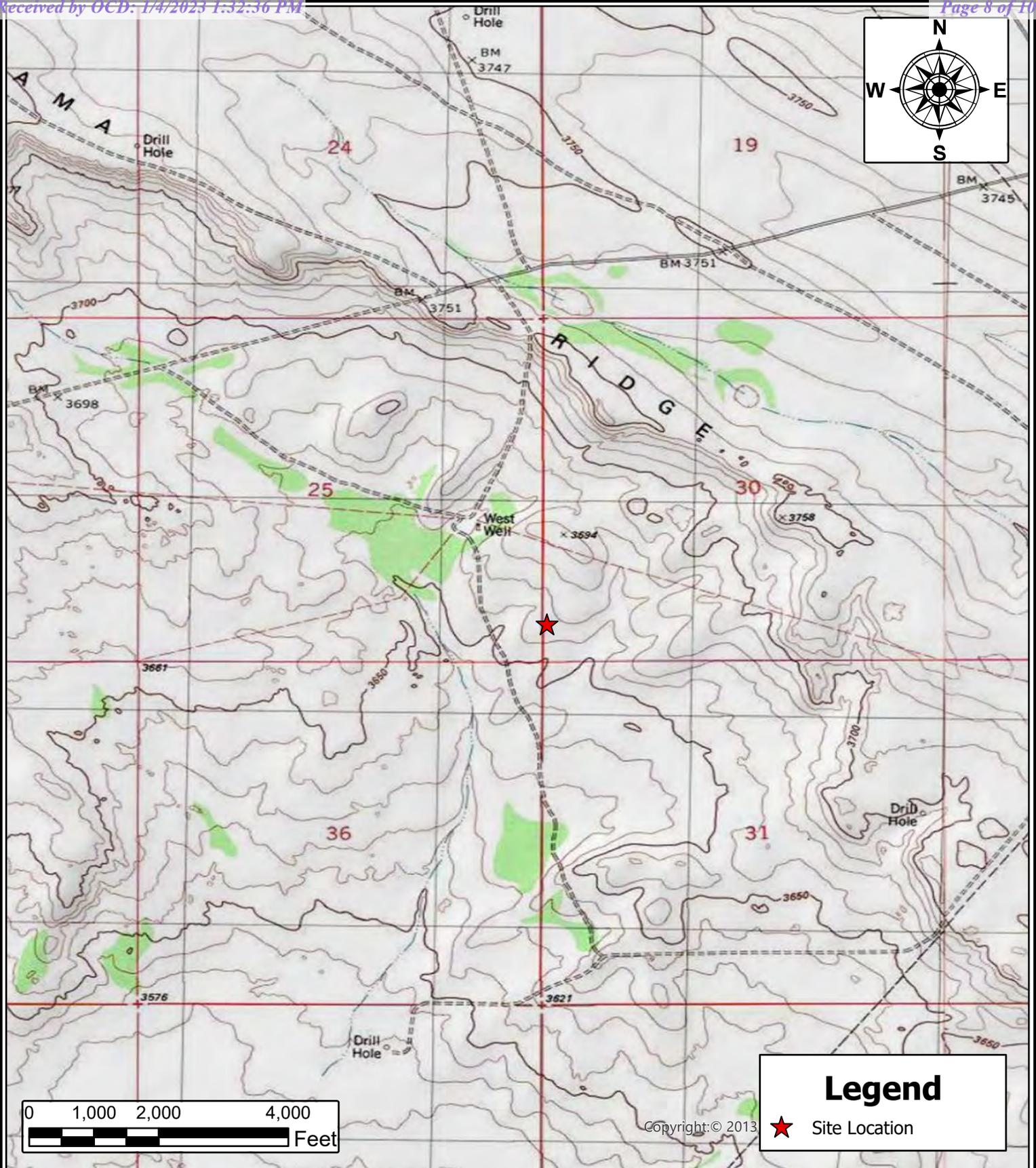
**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

**NOTES:**

1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:  
**FIGURE 1**

SHEET NUMBER:  
**1 of 1**



**Legend**

★ Site Location

**TOPOGRAPHIC MAP  
EOG RESOURCES**  
 NAGUSS BRN STATE COM #1H  
 LEA COUNTY, NEW MEXICO  
 32.444002, -103.517235

SCALE: As Shown      Date: 11/9/2022

CARMONA RESOURCES 

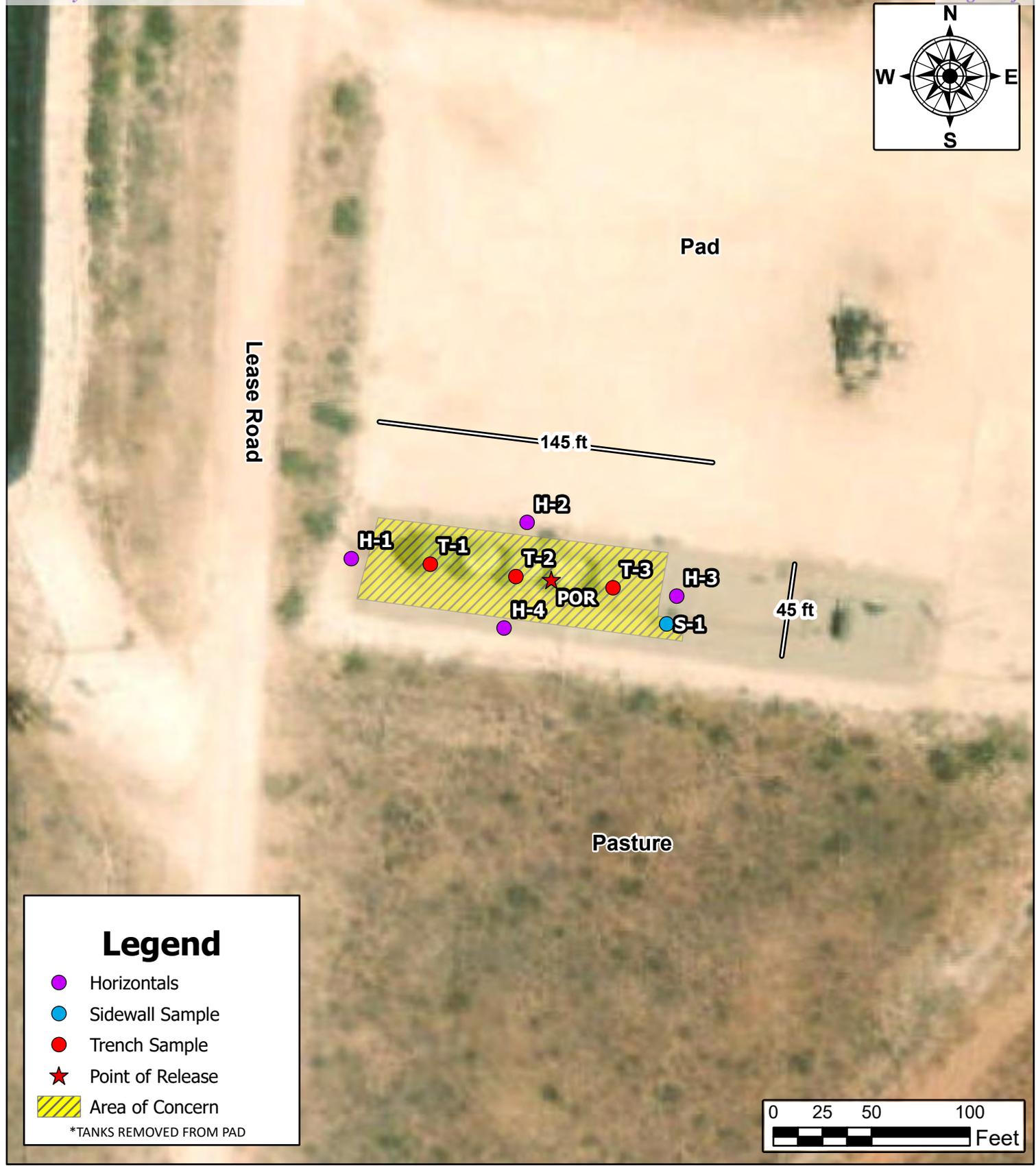
**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

**NOTES:**

1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:  
**FIGURE 2**

SHEET NUMBER:  
**1 of 1**



**Legend**

- Horizontals
- Sidewall Sample
- Trench Sample
- ★ Point of Release
- Area of Concern

\*TANKS REMOVED FROM PAD



**SAMPLE LOCATION MAP**  
**EOG RESOURCES**  
 NAGUSS BRN STATE COM #1H  
 LEA COUNTY, NEW MEXICO  
 32.444002, -103.517235

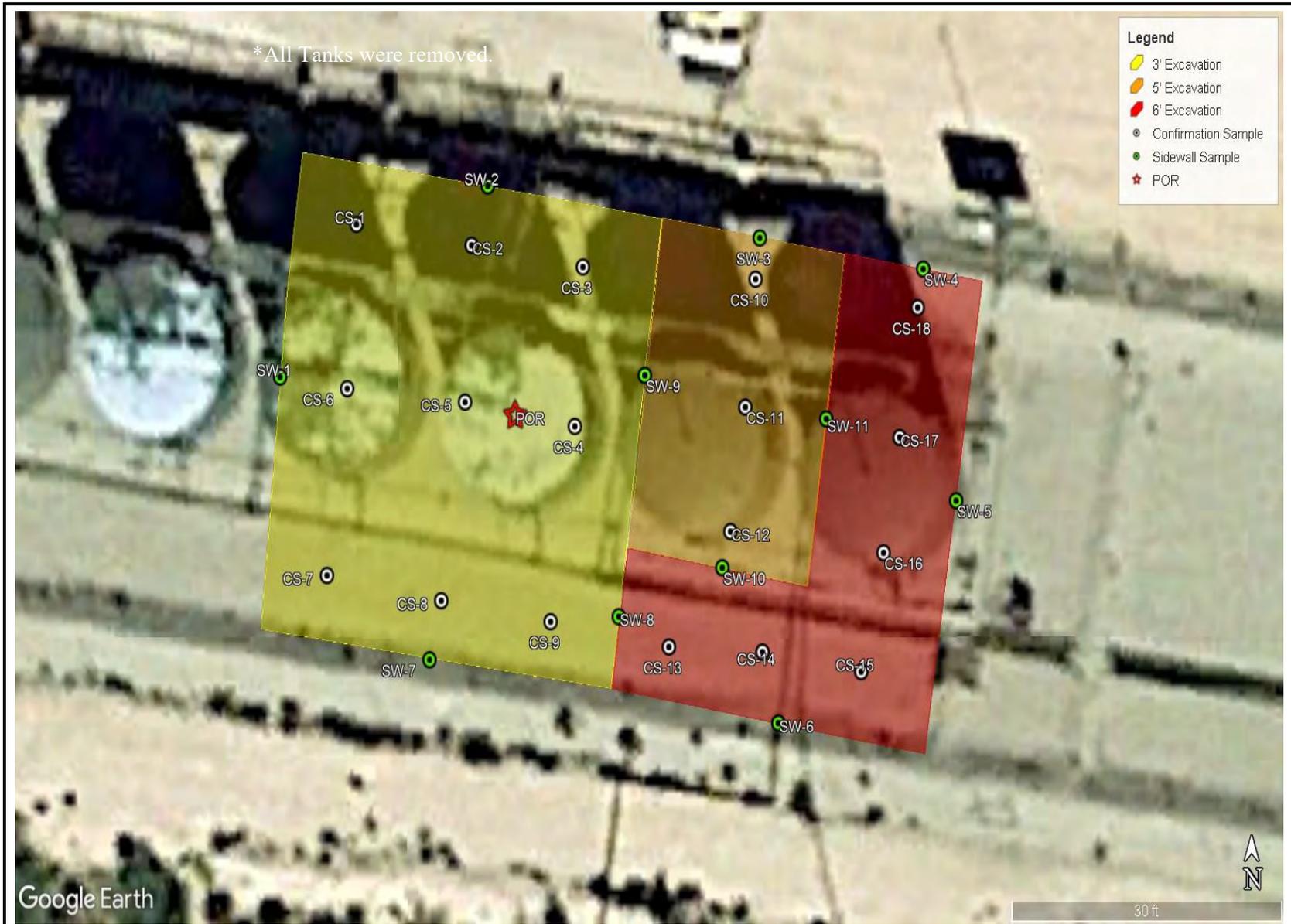
  
**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

**NOTES:**

1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

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

SCALE: As Shown      Date: 11/23/2022



EXCAVATION DEPTH MAP  
EOG RESOURCES  
NAGUSS BRN STATE COM #1H  
LEA COUNTY, NEW MEXICO  
32.444002°, -103.517235°



FIGURE 4

# APPENDIX A

CARMONA RESOURCES



**Table 1**  
**EOG**  
**Naguss BRN State Com #1H**  
**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						
<b>S-1</b>	10/19/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<b>T-1</b>	11/2/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
<b>T-2</b>	11/2/2022	0-1	<b>263</b>	<b>4,850</b>	<b>917</b>	<b>6,030</b>	0.629	6.81	4.01	8.31	19.8	48.0
	"	2	<b>1,270</b>	<b>3,200</b>	<b>544</b>	<b>5,014</b>	0.944	33.7	24.8	84.5	<b>144</b>	240
	"	2	<b>1,890</b>	<b>6,470</b>	<b>1,020</b>	<b>9,380</b>	0.584	11.8	13.5	54.4	<b>80.4</b>	112
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	5	<10.0	44.1	<10.0	44.1	<0.050	<0.050	<0.050	<0.150	<0.300	112
<b>T-3</b>	11/2/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>656</b>
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,070</b>
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,220</b>
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>656</b>
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
<b>H-1</b>	10/19/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<b>H-2</b>	10/19/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<b>H-3</b>	10/19/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<b>H-4</b>	10/19/2022	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

(S) Sample Point

(H) Horizontal Sample

(T) Trench

 Removed

**Table 2**  
**EOG**  
**Naguss BRN State Com #1H**  
**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	11/14/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0	
CS-2	11/14/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0	
CS-3	11/14/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>224</b>	
CS-4	11/14/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240	
CS-5	11/14/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240	
CS-6	11/14/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176	
CS-7	11/14/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128	
CS-8	11/14/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128	
CS-9	11/14/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0	
CS-10	11/14/2022	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112	
CS-11	11/14/2022	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272	
CS-12	11/14/2022	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176	
CS-13	11/14/2022	6.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208	
CS-14	11/14/2022	6.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0	
CS-15	11/14/2022	6.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0	
CS-16	11/14/2022	6.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0	
CS-17	11/14/2022	6.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192	
CS-18	11/14/2022	6.0	<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

(CS) Confirmation Sample

**Table 2  
EOG  
Naguss BRN State Com #1H  
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	11/14/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0	
SW-2	11/14/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0	
SW-3	11/14/2022	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>688</b>	
	11/16/2022	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400	
SW-4	11/14/2022	6.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0	
SW-5	11/14/2022	6.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0	
SW-6	11/14/2022	6.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0	
SW-7	11/14/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192	
SW-8	11/14/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208	
SW-9	11/14/2022	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0	
SW-10	11/14/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0	
SW-11	11/14/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256	
<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

 Removed

## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

## EOG Resources

### Photograph No. 1

**Facility:** Naguss BRN State Com #1H

**County:** Lea County, New Mexico

**Description:**  
View Northeast, area of tanks where fire took place.

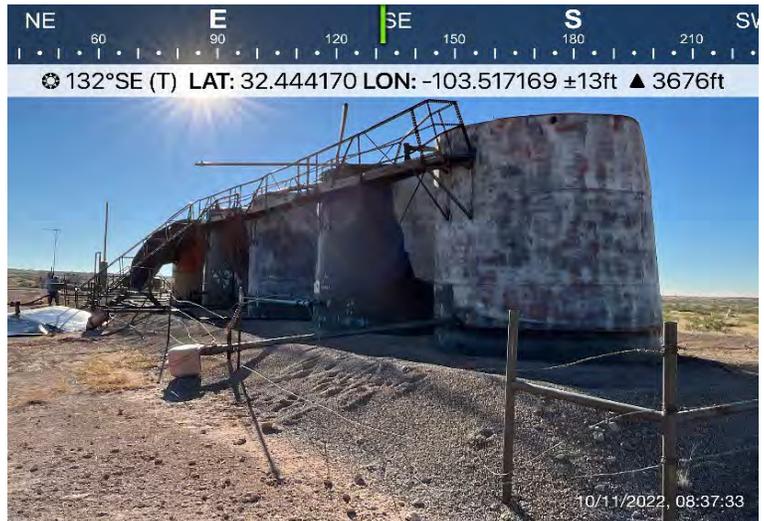


### Photograph No. 2

**Facility:** Naguss BRN State Com #1H

**County:** Lea County, New Mexico

**Description:**  
View Southeast, area of tanks where fire took place.



### Photograph No. 3

**Facility:** Naguss BRN State Com #1H

**County:** Lea County, New Mexico

**Description:**  
View North, point of release.



# PHOTOGRAPHIC LOG

## EOG Resources

### Photograph No. 4

**Facility:** Naguss BRN State Com #1H

**County:** Lea County, New Mexico

**Description:**

View West, area of confirmation samples (1-9).



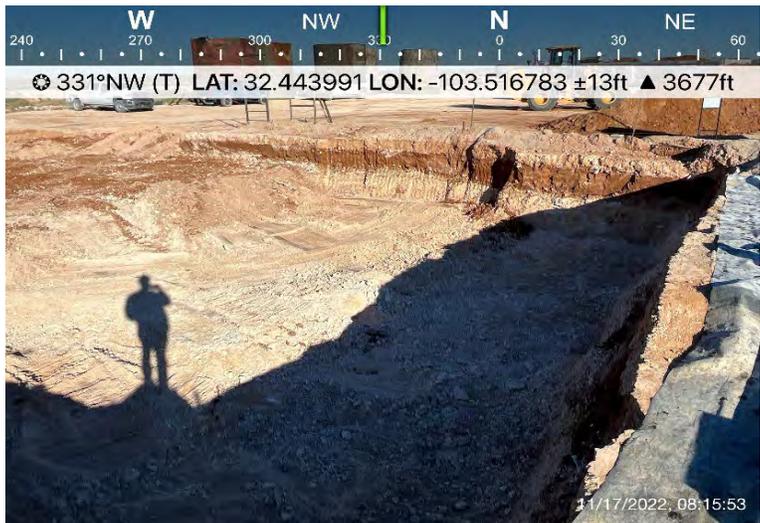
### Photograph No. 5

**Facility:** Naguss BRN State Com #1H

**County:** Lea County, New Mexico

**Description:**

View Northwest, area of confirmation samples (10-18).



### Photograph No. 6

**Facility:** Naguss BRN State Com #1H

**County:** Lea County, New Mexico

**Description:**

View Southeast, area of confirmation samples (10-18).



## 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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Incident ID	NAPP2228549538
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) nAPP2228549538
Contact mailing address 5509 Champions Drive Midland, TX 79706	

### Location of Release Source

Latitude 32.44436 Longitude -103.51656  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name Naguss BRN State Com #1H	Site Type Tank Battery
Date Release Discovered 10/09/2022	API# (if applicable) 30-025-40303

Unit Letter	Section	Township	Range	County
M	30	21S	34E	Lea

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

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 0	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 0>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)

Fire as a result of a lightning strike. No fluid released, all remained in tanks or burned up.

State of New Mexico  
Oil Conservation Division

Page 2

Incident ID	NAPP2228549538
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? Fire
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, James Kennedy, <a href="mailto:OCD.enviro@emnrd.nm.gov">OCD.enviro@emnrd.nm.gov</a> , 10/10/22, email.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:  
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>James 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: <u>Jocelyn Harimon</u> Date: <u>10/12/2022</u>

Incident ID	
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

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

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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

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

Signature: James Kennedy Date: 01/03/2023

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

**OCD Only**

Received by: Jocelyn Harimon Date: 01/04/2023

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

### Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_  
 Signature: James Kennedy Date: 01/03/2023  
 email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Jocelyn Harimon Date: 01/04/2023

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: 01/27/2023  
 Printed Name: Jennifer Nobui Title: Environmental Specialist A

---

**From:** Enviro, OCD, EMNRD  
**Sent:** Thursday, November 10, 2022 9:05 AM  
**To:** Mike Carmona  
**Cc:** Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD  
**Subject:** RE: [EXTERNAL] EOG - Naguss- Sampling Notification- (nAPP2228549538)

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)  
<http://www.emnrd.nm.gov>



---

**From:** Mike Carmona <[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)>  
**Sent:** Thursday, November 10, 2022 7:27 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Conner Moehring <[Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)>; James Kennedy <[James\\_Kennedy@eogresources.com](mailto:James_Kennedy@eogresources.com)>  
**Subject:** [EXTERNAL] EOG - Naguss- Sampling Notification- (nAPP2228549538)

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

Good Morning,

On behalf of EOG, Carmona Resources will collect confirmation samples for the at-risk remediation at the below-referenced site on 11/14/22 around 8:00 a.m. Mountain Time. Please let me know if you have any questions.

EOG – Naguss State Com TB  
Incident #: nAPP2228549538  
Lea County, New Mexico  
32.444002, -103.517235

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

## APPENDIX D

CARMONA RESOURCES

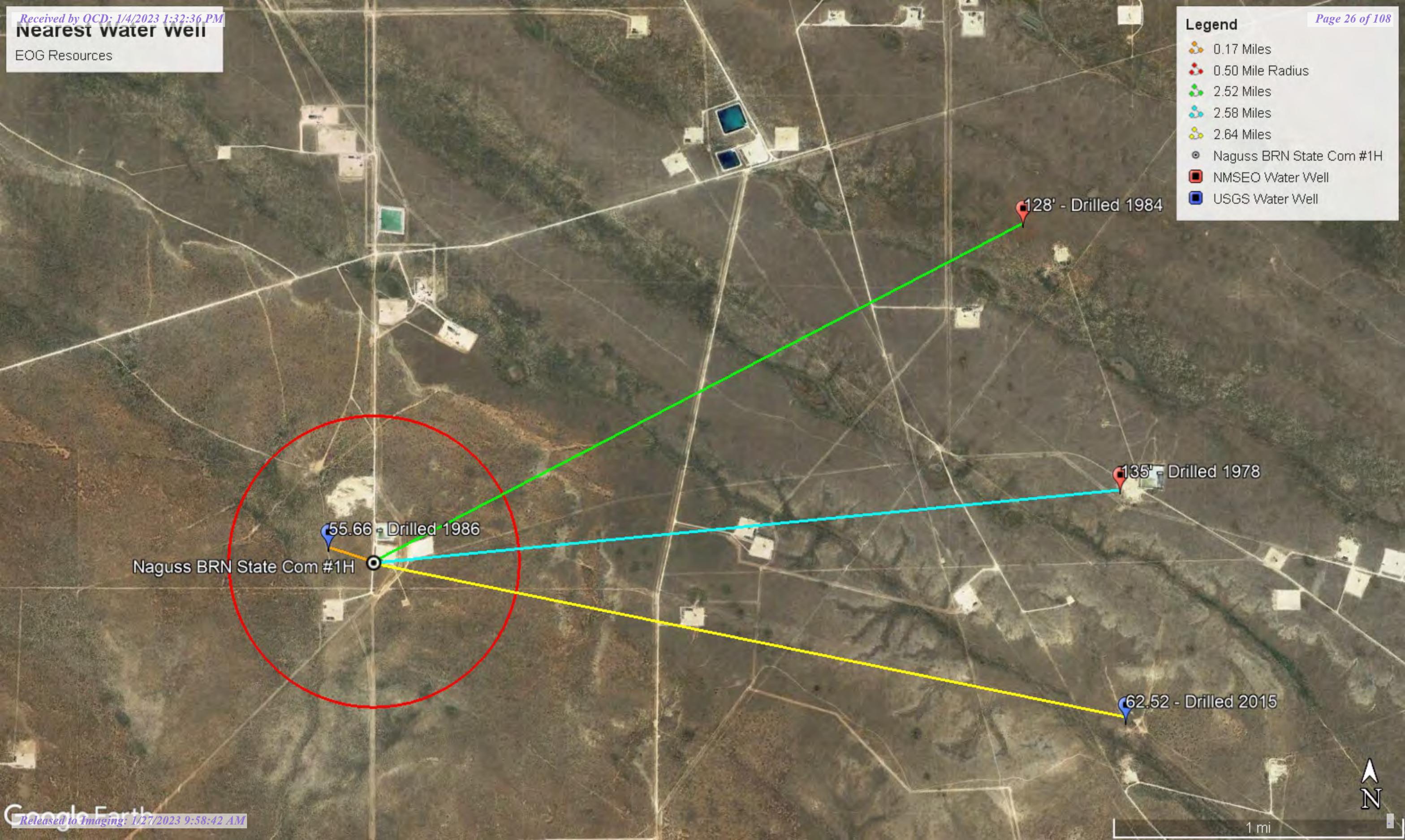


# Nearest Water Well

EOG Resources

**Legend**

- 0.17 Miles
- 0.50 Mile Radius
- 2.52 Miles
- 2.58 Miles
- 2.64 Miles
- Naguss BRN State Com #1H
- NMSEO Water Well
- USGS Water Well



# Low Karst

EOG Resources

## Legend

-  Low
-  Naguss BRN State Com #1H

Naguss BRN State Com #1H 



4 mi



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">CP 00600 POD1</a>	CP	LE		2	4	25	21S	33E		639152	3591054*	492	65		
<a href="#">CP 01887 POD1</a>	CP	LE		2	2	2	35	21S	33E	637492	3590319	1913			
<a href="#">CP 01411 POD1</a>	CP	LE		2	2	34	21S	33E		635968	3590386	3422	1149		
<a href="#">CP 01411 POD2</a>	CP	LE		1	2	34	21S	33E		635534	3590380	3855	1125		
<a href="#">CP 00583</a>	CP	LE			3	21	21S	34E		642944	3592518*	4035	171	128	43
<a href="#">CP 00765 POD1</a>	CP	LE		3	2	13	21S	33E		638698	3594668*	4106	508		
<a href="#">CP 00766 POD1</a>	CP	LE		3	2	13	21S	33E		638698	3594668*	4106	510		
<a href="#">CP 00571 POD1</a>	CP	LE		3	1	4	28	21S	34E	643499	3591063	4140	170	135	35
<a href="#">CP 01091 POD1</a>	CP	LE		3	3	2	28	21S	34E	643446	3591434	4144	200	140	60
<a href="#">CP 01067 POD1</a>	CP	LE		1	3	4	28	21S	34E	643447	3591434	4145	210	140	70
<a href="#">CP 01068 POD1</a>	CP	LE		4	1	4	28	21S	34E	643609	3591005	4243	180	140	40
<a href="#">CP 00588 POD1</a>	CP	LE		3	2	33	21S	34E		643583	3589918*	4258	89		
<a href="#">CP 00589 POD1</a>	CP	LE		3	2	33	21S	34E		643583	3589918*	4258	84		
<a href="#">CP 01069 POD1</a>	CP	LE		2	1	4	28	21S	34E	643737	3591191	4391	210	140	70
<a href="#">CP 01066 POD1</a>	CP	LE		4	3	2	28	21S	34E	643735	3591345	4412	210	140	70
<a href="#">CP 01355 POD1</a>	CP	LE		2	1	3	27	21S	33E	634773	3591061	4630	1192	582	610
<a href="#">CP 01357 POD1</a>	CP	LE		4	3	1	27	21S	33E	634782	3591347	4657	1286	578	708
<a href="#">CP 00597 POD1</a>	CP	LE			2	2	08	22S	34E	642410	3587074*	4662	35		
<a href="#">CP 01720 POD1</a>	CP	LE		1	3	2	08	22S	34E	642003	3586723	4695	1190	824	366
<a href="#">CP 01349 POD1</a>	CP	LE		2	3	1	27	21S	33E	634782	3591569	4697	1188	572	616
<a href="#">CP 01356 POD1</a>	CP	LE		4	2	2	33	21S	33E	634560	3590014	4860	1098	555	543
<a href="#">CP 01913 POD1</a>	CP	LE		1	4	2	08	22S	34E	642346	3586730	4888	35	31	4
<a href="#">CP 01913 POD3</a>	CP	LE		1	4	2	08	22S	34E	642394	3586721	4925	26		
<a href="#">CP 01913 POD2</a>	CP	LE		1	4	2	08	22S	34E	642366	3586694	4929	31		
<a href="#">CP 01725 POD1</a>	CP	LE		1	2	1	18	22S	34E	639914	3585521	5125	1137	800	337
<a href="#">CP 01364 POD1</a>	CP	LE		4	2	3	16	21S	34E	643147	3594331	5286	165	105	60

\*UTM location was derived from PLSS - see Help

(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 6	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">CP 01724 POD1</a>	CP	LE		3	1	1	18	22S	34E	639475	3585260	5359	1172	800	372
<a href="#">CP 01721 POD1</a>	CP	LE		4	2	1	18	22S	34E	640181	3585244	5433	1108	820	288
<a href="#">CP 00744</a>	CP	LE		1	2	09	22S	34E	643618	3587091*	5512	460			
<a href="#">CP 00854 POD1</a>	CP	LE		1	1	2	33	21S	33E	633879	3590223	5517	950	600	350
<a href="#">CP 00578</a>	CP	LE		4	3	11	21S	33E	636674	3595445*	5533	165	150	15	
<a href="#">CP 01366 POD1</a>	CP	LE		4	4	1	16	21S	34E	643196	3594698	5584	180	110	70
<a href="#">CP 00944 POD1</a>	CP	LE		3	1	03	22S	34E	644531	3588351	5625	109	70	39	
<a href="#">CP 00592 POD1</a>	CP	ED		3	2	13	22S	33E	638834	3585015*	5631	427			
<a href="#">CP 01671 POD1</a>	CP	LE		2	4	1	16	21S	34E	643108	3594887	5665	157		
<a href="#">CP 01723 POD1</a>	CP	LE		4	4	1	18	22S	34E	640117	3584905	5761	1140	785	355
<a href="#">CP 01722 POD1</a>	CP	LE		4	4	2	18	22S	34E	640964	3584949	5885	1122	785	337
<a href="#">CP 00601 POD1</a>	CP	LE		2	1	28	21S	33E	633502	3591791*	5996	223			

Average Depth to Water: **396 feet**

Minimum Depth: **31 feet**

Maximum Depth: **824 feet**

Record Count: 38

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

**Easting (X):** 639382.61

**Northing (Y):** 3590619.39

**Radius:** 6000

\*UTM location was derived from PLSS - see Help

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

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
------	------	-------------------------------------	---------------------	--------------------------------------	---	---------------------------

Groundwater    New Mexico    GO

Click to hide News Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the [Water Data For The Nation Blog](#) for full details, including how to navigate back to the legacy Current Condition page, if desired.
- 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

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

### Search Results -- 1 sites found

Agency code = usgs  
 site\_no list = 

- 322641103311201

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

### USGS 322641103311201 21S.33E.25.42322

Lea County, New Mexico  
 Latitude 32°26'41", Longitude 103°31'12" NAD27  
 Land-surface elevation 3,660 feet above NAVD88  
 The depth of the well is 68 feet below land surface.  
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
 This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1968-03-28			D 62610		3601.86	NGVD29	1		Z	
1968-03-28			D 62611		3603.47	NAVD88	1		Z	
1968-03-28			D 72019	56.53			1		Z	
1971-02-04			D 62610		3599.44	NGVD29	1		Z	
1971-02-04			D 62611		3601.05	NAVD88	1		Z	
1971-02-04			D 72019	58.95			1		Z	
1972-09-22			D 62610		3601.86	NGVD29	1		Z	
1972-09-22			D 62611		3603.47	NAVD88	1		Z	
1972-09-22			D 72019	56.53			1		Z	
1976-12-16			D 62610		3600.81	NGVD29	1		Z	
1976-12-16			D 62611		3602.42	NAVD88	1		Z	
1976-12-16			D 72019	57.58			1		Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum
1981-03-10	D	62610	3602.36	NGVD29	1	Z
1981-03-10	D	62611	3603.97	NAVD88	1	Z
1981-03-10	D	72019	56.03		1	Z
1986-03-20	D	62610	3602.73	NGVD29	1	Z
1986-03-20	D	62611	3604.34	NAVD88	1	Z
1986-03-20	D	72019	55.66		1	Z

Explanation

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

- [Questions about sites/data?](#)
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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for New Mexico: Water Levels

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



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

Page Last Modified: 2022-10-27 14:24:09 EDT

0.28 0.24 nadww02



# 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 Q16 Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
CP 00583		3	21	21S	34E	642944	3592518*

<b>Driller License:</b> 46	<b>Driller Company:</b> ABBOTT BROTHERS COMPANY	
<b>Driller Name:</b> ABBOTT, MURRELL		
<b>Drill Start Date:</b> 06/06/1984	<b>Drill Finish Date:</b> 06/07/1984	<b>Plug Date:</b>
<b>Log File Date:</b> 06/18/1984	<b>PCW Rev Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b> 6.63	<b>Depth Well:</b> 171 feet	<b>Depth Water:</b> 128 feet

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	110	169	Sandstone/Gravel/Conglomerate

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>
	109	169

<b>Meter Number:</b> 2974	<b>Meter Make:</b> MASTER
<b>Meter Serial Number:</b> 1746630	<b>Meter Multiplier:</b> 100.0000
<b>Number of Dials:</b> 5	<b>Meter Type:</b> Diversion
<b>Unit of Measure:</b> Gallons	<b>Return Flow Percent:</b>
<b>Usage Multiplier:</b>	<b>Reading Frequency:</b>

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

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
06/05/2000	2000	16351	A	RPT		0
07/31/2000	2000	25783	A	RPT		2.895

<b>**YTD Meter Amounts:</b>	<b>Year</b>	<b>Amount</b>
	2000	2.895

\*UTM location was derived from PLSS - see Help

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

10/27/22 12:09 PM

POINT OF DIVERSION SUMMARY



# 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 Q16 Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
CP 00571	POD1	3 1 4	28	21S	34E	643499	3591063

<b>Driller License:</b> 46	<b>Driller Company:</b> ABBOTT BROTHERS COMPANY	
<b>Driller Name:</b> ABBOTT, MURRELL		
<b>Drill Start Date:</b> 06/29/1978	<b>Drill Finish Date:</b> 07/12/1978	<b>Plug Date:</b>
<b>Log File Date:</b> 07/18/1978	<b>PCW Rev Date:</b> 07/10/2017	<b>Source:</b> Shallow
<b>Pump Type:</b> SUBMER	<b>Pipe Discharge Size:</b> 3	<b>Estimated Yield:</b>
<b>Casing Size:</b> 6.63	<b>Depth Well:</b> 170 feet	<b>Depth Water:</b> 135 feet

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	135	170	Sandstone/Gravel/Conglomerate

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>	
	100	170	

<b>Meter Number:</b> 809	<b>Meter Make:</b> MASTER	
<b>Meter Serial Number:</b> 1748542	<b>Meter Multiplier:</b> 100.0000	
<b>Number of Dials:</b> 6	<b>Meter Type:</b> Diversion	
<b>Unit of Measure:</b> Gallons	<b>Return Flow Percent:</b>	
<b>Usage Multiplier:</b>	<b>Reading Frequency:</b>	

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

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
05/12/1999	1999	70037	A	fm		0
06/12/1999	1999	79037	A	fm		2.762
01/01/2000	2000	16058	A	jw		0
07/07/2000	2000	25810	A	jw		2.993
04/30/2013	2013	67955	A	RPT	beggining reading	0
04/30/2013	2013	76655	A	RPT		2.670

<b>**YTD Meter Amounts:</b>	<b>Year</b>	<b>Amount</b>
	1999	2.762
	2000	2.993
	2013	2.670

<b>Meter Number:</b> 2406	<b>Meter Make:</b> MASTER	
<b>Meter Serial Number:</b> 1748542	<b>Meter Multiplier:</b> 100.0000	
<b>Number of Dials:</b> 6	<b>Meter Type:</b> Diversion	
<b>Unit of Measure:</b> Gallons	<b>Return Flow Percent:</b>	
<b>Usage Multiplier:</b>	<b>Reading Frequency:</b>	

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

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
-----------	------	-------------	------	-----	---------	-------------------

06/01/2000	2000	16058	A	fm	0
07/02/2000	2000	25810	A	fm	2.993
12/12/2012	2012	58193	A	RPT No reported ending date	0
12/12/2012	2012	67955	A	RPT	2.996

<b>**YTD Meter Amounts:</b>		
<b>Year</b>	<b>Amount</b>	
2000	2.993	
2012	2.996	

<b>Meter Number:</b>	18285	<b>Meter Make:</b>	MASTER
<b>Meter Serial Number:</b>	5521344	<b>Meter Multiplier:</b>	100.0000
<b>Number of Dials:</b>	6	<b>Meter Type:</b>	Diversion
<b>Unit of Measure:</b>	Gallons	<b>Return Flow Percent:</b>	
<b>Usage Multiplier:</b>		<b>Reading Frequency:</b>	Quarterly

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

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
10/31/2016	2019	19375800	A	RPT		0
12/31/2016	2016	20180600	A	ap		246.984
02/01/2017	2017	20180600	A	ap		0
03/01/2017	2017	20180600	A	ap		0
04/01/2017	2017	20180600	A	ap		0
05/01/2017	2017	20180600	A	ap		0
05/31/2017	2017	20180600	A	ap		0
06/30/2017	2017	20220700	A	ap		12.306
07/31/2017	2017	21237900	A	ap		312.167
10/31/2017	2017	23229100	A	ap		611.077
11/30/2017	2017	23693300	A	ap		142.458
12/30/2017	2017	23913000	A	ap		67.423
01/30/2018	2018	23913000	A	ap		0
02/28/2018	2018	23913000	A	ap		0
03/30/2018	2018	23913000	A	ap		0
04/30/2018	2018	24258100	A	ap		105.907
06/01/2018	2018	25310100	A	ap		322.847
06/29/2018	2018	26224100	A	ap		280.496
07/31/2018	2018	26367000	A	ap		43.854
08/30/2018	2018	27573540	A	ap		370.274
09/30/2018	2018	27725200	A	ap		46.543
11/30/2018	2018	27725200	A	ap		0
01/02/2019	2018	277252	A	RPT		0
02/01/2019	2019	281404	A	RPT		1.274
08/01/2019	2019	311730	A	RPT		9.307
09/01/2019	2019	311730	A	RPT		0
09/30/2019	2019	333155	A	RPT		6.575
10/31/2019	2019	341763	A	RPT		2.642
11/30/2019	2019	348644	A	RPT		2.112
12/31/2019	2019	352371	A	RPT		1.144
02/01/2020	2020	352371	A	RPT		0
03/01/2020	2020	358119	A	RPT		1.764
04/01/2020	2020	361256	A	RPT		0.963

05/01/2020	2020	361256	A	RPT	0
06/01/2020	2020	361256	A	RPT	0
08/01/2020	2020	369256	A	RPT	2.455
09/01/2020	2020	371436	A	RPT	0.669
10/01/2020	2020	371436	A	RPT	0
10/31/2020	2020	374775	A	WEB	1.025 X
11/30/2020	2020	383622	A	WEB	2.715 X
12/31/2020	2020	394637	A	WEB	3.380 X
01/31/2021	2021	394637	A	WEB	0 X
02/28/2021	2021	405226	A	WEB	3.250 X
03/31/2021	2021	413453	A	WEB	2.525 X
04/30/2021	2021	413453	A	WEB	0 X
05/31/2021	2021	429284	A	WEB	4.858 X
06/30/2021	2021	436172	A	WEB	2.114 X
07/31/2021	2021	439668	A	WEB	1.073 X
08/31/2021	2021	446457	A	WEB	2.083 X
09/30/2021	2021	457807	A	WEB	3.483 X
10/31/2021	2021	462974	A	WEB	1.586 X
11/30/2021	2021	466723	A	WEB	1.151 X
01/01/2022	2021	473615	A	WEB	2.115 X
01/27/2022	2022	477089	A	WEB	1.066 X
02/28/2022	2022	477089	A	WEB	0 X
03/31/2022	2022	477089	A	WEB	0 X
04/30/2022	2022	486744	A	WEB	2.963 X
06/02/2022	2022	496770	A	WEB	3.077 X
07/01/2022	2022	496770	A	WEB	0 X
08/01/2022	2022	496770	A	WEB	0 X
09/01/2022	2022	496770	A	WEB	0 X
10/01/2022	2022	514374	A	WEB	5.402 X

x

<b>**YTD Meter Amounts:</b>		<b>Year</b>	<b>Amount</b>
		2016	246.984
		2017	1145.431
		2018	1169.921
		2019	23.054
		2020	12.971
		2021	24.238
		2022	12.508

x

<b>Meter Number:</b>	3933	<b>Meter Make:</b>	MASTER
<b>Meter Serial Number:</b>	1748542	<b>Meter Multiplier:</b>	100.0000
<b>Number of Dials:</b>	6	<b>Meter Type:</b>	Diversion
<b>Unit of Measure:</b>	Gallons	<b>Return Flow Percent:</b>	
<b>Usage Multiplier:</b>		<b>Reading Frequency:</b>	

x

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

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
09/25/2000	2000	42619	A	mb	Initial reading.	0
01/06/2001	2000	52314	A	mb	Final reading for Trn#192404	2.975
02/15/2001	2001	61182	A	mb	Initial reading Trn #206823	0
02/20/2001	2001	59463	A	mb	Final reading Trn# 203419	2.194

04/17/2001	2001	70632	A	mb	Final reading Trn #206823	2.900
11/14/2012	2012	48419	A		RPT initial reading	0
11/14/2012	2012	58193	A		RPT no end reading date provided	3.000

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**YTD Meter Amounts:		
Year	Year	Amount
	2000	2.975
	2001	5.094
	2012	3.000

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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.

10/27/22 12:12 PM

POINT OF DIVERSION SUMMARY

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
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Groundwater New Mexico GO

Click to hide News Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the [Water Data For The Nation Blog](#) for full details, including how to navigate back to the legacy Current Condition page, if desired.
- 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** = 

- 322556103282401

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

### USGS 322556103282401 21S.34E.33.233442

Lea County, New Mexico  
 Latitude 32°26'10.1", Longitude 103°28'22.7" NAD83  
 Land-surface elevation 3,642 feet above NAVD88  
 The depth of the well is 92 feet below land surface.  
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
 This well is completed in the Ogallala Formation (121OGLL) 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
1968-03-28			D 62610		3576.34	NGVD29	P		Z	
1968-03-28			D 62611		3577.95	NAVD88	P		Z	
1968-03-28			D 72019	64.05			P		Z	
1971-02-04			D 62610		3575.94	NGVD29	P		Z	
1971-02-04			D 62611		3577.55	NAVD88	P		Z	
1971-02-04			D 72019	64.45			P		Z	
1976-12-15			D 62610		3577.29	NGVD29	1		Z	
1976-12-15			D 62611		3578.90	NAVD88	1		Z	
1976-12-15			D 72019	63.10			1		Z	
1981-03-05			D 62610		3577.33	NGVD29	1		Z	
1981-03-05			D 62611		3578.94	NAVD88	1		Z	
1981-03-05			D 72019	63.06			1		Z	

Date	Time	?	Water-level date-time accuracy	?	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
1986-03-20		D	62610		3577.72	NGVD29	1	Z	
1986-03-20		D	62611		3579.33	NAVD88	1	Z	
1986-03-20		D	72019	62.67			1	Z	
1991-05-03		D	62610		3577.77	NGVD29	1	Z	
1991-05-03		D	62611		3579.38	NAVD88	1	Z	
1991-05-03		D	72019	62.62			1	Z	
1996-02-16		D	62610		3577.82	NGVD29	1	S	
1996-02-16		D	62611		3579.43	NAVD88	1	S	
1996-02-16		D	72019	62.57			1	S	
2015-12-18	17:30 UTC	m	62610		3577.87	NGVD29	1	S	USGS
2015-12-18	17:30 UTC	m	62611		3579.48	NAVD88	1	S	USGS
2015-12-18	17:30 UTC	m	72019	62.52			1	S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
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.

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

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

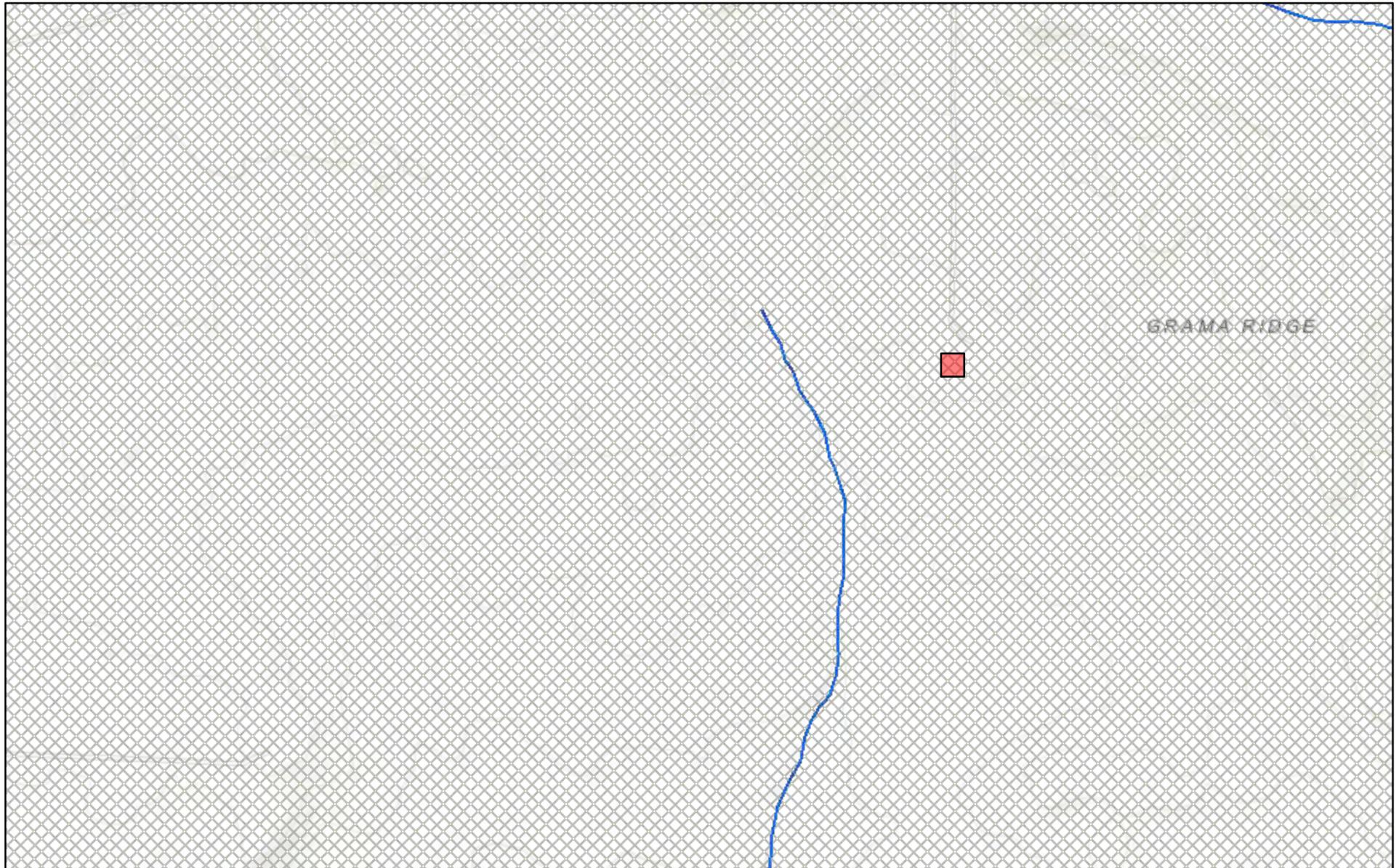


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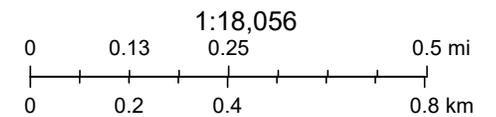
Page Last Modified: 2022-10-27 14:14:47 EDT

0.28 0.24 nadww01

# New Mexico NFHL Data



October 27, 2022



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

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## APPENDIX E

CARMONA RESOURCES





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

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October 20, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: NAGUSS STATE COM TB

Enclosed are the results of analyses for samples received by the laboratory on 10/19/22 14:03.

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:	10/19/2022	Sampling Date:	10/19/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: S - 1 (0-0.5') (H224910-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2022	ND	2.11	106	2.00	5.53		
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56		
Total BTEX	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/20/2022	ND	416	104	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	10/19/2022	ND	182	91.1	200	3.63		
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	171	85.6	200	8.90		
EXT DRO >C28-C36	<10.0	10.0	10/19/2022	ND						

Surrogate: 1-Chlorooctane 97.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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:	10/19/2022	Sampling Date:	10/19/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: H - 1 (0-0.5') (H224910-02)**

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	10/19/2022	ND	2.11	106	2.00	5.53	
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42	
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56	
Total BTEX	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/20/2022	ND	416	104	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	10/19/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/19/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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:	10/19/2022	Sampling Date:	10/19/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: H - 2 (0-0.5') (H224910-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2022	ND	2.11	106	2.00	5.53	
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42	
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56	
Total BTEX	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/20/2022	ND	416	104	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	10/19/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/19/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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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:	10/19/2022	Sampling Date:	10/19/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: H - 3 (0-0.5') (H224910-04)**

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	10/19/2022	ND	2.11	106	2.00	5.53		
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57		
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42		
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56		
Total BTEX	<0.300	0.300	10/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/20/2022	ND	416	104	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	10/19/2022	ND	182	91.1	200	3.63		
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	171	85.6	200	8.90		
EXT DRO >C28-C36	<10.0	10.0	10/19/2022	ND						

Surrogate: 1-Chlorooctane 113 % 45.3-161

Surrogate: 1-Chlorooctadecane 126 % 46.3-178

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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:	10/19/2022	Sampling Date:	10/19/2022
Reported:	10/20/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: H - 4 (0-0.5') (H224910-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2022	ND	2.11	106	2.00	5.53	
Toluene*	<0.050	0.050	10/19/2022	ND	2.07	103	2.00	4.57	
Ethylbenzene*	<0.050	0.050	10/19/2022	ND	2.01	100	2.00	3.42	
Total Xylenes*	<0.150	0.150	10/19/2022	ND	6.01	100	6.00	3.56	
Total BTEX	<0.300	0.300	10/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/20/2022	ND	416	104	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	10/19/2022	ND	182	91.1	200	3.63	
DRO >C10-C28*	<10.0	10.0	10/19/2022	ND	171	85.6	200	8.90	
EXT DRO >C28-C36	<10.0	10.0	10/19/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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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

Chain of Custody

Work Order No: H22491

Page 1 of 1

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, TX 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"/> RRC <input type="checkbox"/> Deepfund
State of Project:	
Reporting Level: I	<input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Naguss State Com TB	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code
Project Number:	1151	Due Date:	24 Hrs	
Project Location:	Lea County, NM	PO #:	24 Hours	
Sampler's Name:	CRM	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	113
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:	-0.6°C
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	5.4°C
Total Containers:		Corrected Temperature:	4.8°C

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			ANALYSIS REQUEST				Preservative Codes	
							BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500						
S-1 (0-0.5')	10/19/2022		X		Grab/	1	X	X	X						
H-1 (0-0.5')	10/19/2022		X		Grab/	1	X	X	X						
H-2 (0-0.5')	10/19/2022		X		Grab/	1	X	X	X						
H-3 (0-0.5')	10/19/2022		X		Grab/	1	X	X	X						
H-4 (0-0.5')	10/19/2022		X		Grab/	1	X	X	X						

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	10/19/22 1403	<i>James Kennedy</i>	10/19/22 1403



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November 04, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: NAGUSS STATE COM TB

Enclosed are the results of analyses for samples received by the laboratory on 11/03/22 16:45.

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 "Mike Snyder". The signature is fluid and cursive.

Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 1 (0-1') (H225210-01)**

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	11/04/2022	ND	1.94	96.8	2.00	2.04	
Toluene*	<0.050	0.050	11/04/2022	ND	2.02	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	1.96	98.2	2.00	3.94	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	5.94	99.0	6.00	4.79	
Total BTEX	<0.300	0.300	11/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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	560	16.0	11/04/2022	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	11/04/2022	ND	188	94.1	200	4.42	
DRO >C10-C28*	<10.0	10.0	11/04/2022	ND	176	87.9	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 1 (1.5') (H225210-02)**

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	11/04/2022	ND	1.94	96.8	2.00	2.04	
Toluene*	<0.050	0.050	11/04/2022	ND	2.02	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	1.96	98.2	2.00	3.94	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	5.94	99.0	6.00	4.79	
Total BTEX	<0.300	0.300	11/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.7 % 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	528	16.0	11/04/2022	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	11/04/2022	ND	188	94.1	200	4.42	
DRO >C10-C28*	<10.0	10.0	11/04/2022	ND	176	87.9	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 113 % 45.3-161

Surrogate: 1-Chlorooctadecane 128 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 1 (2') (H225210-03)**

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	11/04/2022	ND	1.94	96.8	2.00	2.04	
Toluene*	<0.050	0.050	11/04/2022	ND	2.02	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	1.96	98.2	2.00	3.94	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	5.94	99.0	6.00	4.79	
Total BTEX	<0.300	0.300	11/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.3 % 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	448	16.0	11/04/2022	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	11/04/2022	ND	188	94.1	200	4.42	
DRO >C10-C28*	<10.0	10.0	11/04/2022	ND	176	87.9	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 1 (3') (H225210-04)**

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	11/04/2022	ND	1.94	96.8	2.00	2.04	
Toluene*	<0.050	0.050	11/04/2022	ND	2.02	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	1.96	98.2	2.00	3.94	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	5.94	99.0	6.00	4.79	
Total BTEX	<0.300	0.300	11/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.4 % 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	11/04/2022	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	11/04/2022	ND	188	94.1	200	4.42	
DRO >C10-C28*	<10.0	10.0	11/04/2022	ND	176	87.9	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 1 (4') (H225210-05)**

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	11/04/2022	ND	1.94	96.8	2.00	2.04	
Toluene*	<0.050	0.050	11/04/2022	ND	2.02	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	1.96	98.2	2.00	3.94	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	5.94	99.0	6.00	4.79	
Total BTEX	<0.300	0.300	11/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/04/2022	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	11/04/2022	ND	188	94.1	200	4.42	
DRO >C10-C28*	<10.0	10.0	11/04/2022	ND	176	87.9	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 2 (0-1') (H225210-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.629</b>	0.200	11/04/2022	ND	1.94	96.8	2.00	2.04	
<b>Toluene*</b>	<b>6.81</b>	0.200	11/04/2022	ND	2.02	101	2.00	3.59	
<b>Ethylbenzene*</b>	<b>4.01</b>	0.200	11/04/2022	ND	1.96	98.2	2.00	3.94	
<b>Total Xylenes*</b>	<b>8.31</b>	0.600	11/04/2022	ND	5.94	99.0	6.00	4.79	
<b>Total BTEX</b>	<b>19.8</b>	1.20	11/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 69.9-140

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	11/04/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>263</b>	50.0	11/04/2022	ND	188	94.1	200	4.42	
<b>DRO &gt;C10-C28*</b>	<b>4850</b>	50.0	11/04/2022	ND	176	87.9	200	3.23	
<b>EXT DRO &gt;C28-C36</b>	<b>917</b>	50.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 115 % 45.3-161

Surrogate: 1-Chlorooctadecane 155 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 2 (1.5') (H225210-07)**

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.944</b>	0.200	11/04/2022	ND	1.94	96.8	2.00	2.04	
<b>Toluene*</b>	<b>33.7</b>	0.200	11/04/2022	ND	2.02	101	2.00	3.59	
<b>Ethylbenzene*</b>	<b>24.8</b>	0.200	11/04/2022	ND	1.96	98.2	2.00	3.94	
<b>Total Xylenes*</b>	<b>84.5</b>	0.600	11/04/2022	ND	5.94	99.0	6.00	4.79	
<b>Total BTEX</b>	<b>144</b>	1.20	11/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 178 % 69.9-140

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	11/04/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>1270</b>	50.0	11/04/2022	ND	188	94.1	200	4.42	
<b>DRO &gt;C10-C28*</b>	<b>3200</b>	50.0	11/04/2022	ND	176	87.9	200	3.23	
<b>EXT DRO &gt;C28-C36</b>	<b>544</b>	50.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 147 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 2 (2') (H225210-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.584</b>	0.500	11/04/2022	ND	1.94	96.8	2.00	2.04	
<b>Toluene*</b>	<b>11.8</b>	0.500	11/04/2022	ND	2.02	101	2.00	3.59	
<b>Ethylbenzene*</b>	<b>13.5</b>	0.500	11/04/2022	ND	1.96	98.2	2.00	3.94	
<b>Total Xylenes*</b>	<b>54.4</b>	1.50	11/04/2022	ND	5.94	99.0	6.00	4.79	
<b>Total BTEX</b>	<b>80.4</b>	3.00	11/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 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	11/04/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>1890</b>	50.0	11/04/2022	ND	188	94.1	200	4.42		
<b>DRO &gt;C10-C28*</b>	<b>6470</b>	50.0	11/04/2022	ND	176	87.9	200	3.23		
<b>EXT DRO &gt;C28-C36</b>	<b>1020</b>	50.0	11/04/2022	ND						

Surrogate: 1-Chlorooctane 382 % 45.3-161

Surrogate: 1-Chlorooctadecane 186 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 2 (3') (H225210-09)**

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	11/04/2022	ND	2.03	101	2.00	8.72	
Toluene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.34	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.32	105	6.00	9.21	
Total BTEX	<0.300	0.300	11/04/2022	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	48.0	16.0	11/04/2022	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	11/04/2022	ND	188	94.1	200	4.42	
DRO >C10-C28*	<10.0	10.0	11/04/2022	ND	176	87.9	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 2 (4') (H225210-10)**

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	11/04/2022	ND	2.03	101	2.00	8.72	
Toluene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.34	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.32	105	6.00	9.21	
Total BTEX	<0.300	0.300	11/04/2022	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	32.0	16.0	11/04/2022	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	11/04/2022	ND	188	94.1	200	4.42	
DRO >C10-C28*	<10.0	10.0	11/04/2022	ND	176	87.9	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 2 (5') (H225210-11)**

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	11/04/2022	ND	2.03	101	2.00	8.72	
Toluene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.34	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.32	105	6.00	9.21	
Total BTEX	<0.300	0.300	11/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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>112</b>	16.0	11/04/2022	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	11/04/2022	ND	188	94.1	200	4.42	
<b>DRO &gt;C10-C28*</b>	<b>44.1</b>	10.0	11/04/2022	ND	176	87.9	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.2 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 3 (0-1') (H225210-12)**

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	11/04/2022	ND	2.03	101	2.00	8.72	
Toluene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.34	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.32	105	6.00	9.21	
Total BTEX	<0.300	0.300	11/04/2022	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	400	16.0	11/04/2022	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	11/04/2022	ND	188	94.1	200	4.42	
DRO >C10-C28*	<10.0	10.0	11/04/2022	ND	176	87.9	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 98.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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**Analytical Results For:**

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

Received:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 3 (1.5') (H225210-13)**

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	11/04/2022	ND	2.03	101	2.00	8.72	
Toluene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.34	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.32	105	6.00	9.21	
Total BTEX	<0.300	0.300	11/04/2022	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	656	16.0	11/04/2022	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	11/04/2022	ND	188	94.1	200	4.42	
DRO >C10-C28*	<10.0	10.0	11/04/2022	ND	176	87.9	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 3 (2') (H225210-14)**

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	11/04/2022	ND	2.03	101	2.00	8.72	
Toluene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.34	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.32	105	6.00	9.21	
Total BTEX	<0.300	0.300	11/04/2022	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	1070	16.0	11/04/2022	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	11/04/2022	ND	188	94.1	200	4.42	
DRO >C10-C28*	<10.0	10.0	11/04/2022	ND	176	87.9	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 3 (3') (H225210-15)**

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	11/04/2022	ND	2.03	101	2.00	8.72	
Toluene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.34	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.32	105	6.00	9.21	
Total BTEX	<0.300	0.300	11/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	1220	16.0	11/04/2022	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	11/04/2022	ND	188	94.1	200	4.42	
DRO >C10-C28*	<10.0	10.0	11/04/2022	ND	176	87.9	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 3 (4') (H225210-16)**

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	11/04/2022	ND	2.03	101	2.00	8.72	
Toluene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.34	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.32	105	6.00	9.21	
Total BTEX	<0.300	0.300	11/04/2022	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	656	16.0	11/04/2022	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	11/04/2022	ND	188	94.1	200	4.42	
DRO >C10-C28*	<10.0	10.0	11/04/2022	ND	176	87.9	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 99.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Mike Snyder For 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:	11/03/2022	Sampling Date:	11/02/2022
Reported:	11/04/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: T - 3 (5') (H225210-17)**

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	11/04/2022	ND	2.03	101	2.00	8.72	
Toluene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.06	103	2.00	8.34	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.32	105	6.00	9.21	
Total BTEX	<0.300	0.300	11/04/2022	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	192	16.0	11/04/2022	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	11/04/2022	ND	197	98.6	200	2.04	
DRO >C10-C28*	<10.0	10.0	11/04/2022	ND	195	97.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	11/04/2022	ND					

Surrogate: 1-Chlorooctane 91.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

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

Page 2 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, TX 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"/> Spillfund
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Naguss State Com TB	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes		
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														
Project Number:	1151	Due Date: 24Hrs													None: NO		
Project Location:	Lea County, NM	24 Hours													Cool: Cool		
Sampler's Name:	CRM														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 checked="" type="checkbox"/> No <input type="checkbox"/>											H <sub>3</sub> PO <sub>4</sub> : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:												NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:												Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:												Zn Acetate+NaOH: Zn			
Total Containers:															NaOH+Ascorbic Acid: SAPC		
<b>Sample Identification</b>	Date	Time	Soil	Water	Grab/Comp	# of Cont											<b>Sample Comments</b>
T-2 (5)	11/2/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	
T-3 (0-1)	11/2/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	
T-3 (1.5)	11/2/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	
T-3 (2)	11/2/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	
T-3 (3)	11/2/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	
T-3 (4)	11/2/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	
T-3 (5)	11/2/2022		X		G	1	X	X	X	X	X	X	X	X	X	X	

Comments: Email to Mike Carmona / Mccarmona@carmonarresources.com and Conner Moehring / Cmoehring@carmonarresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	11-3-22-2022	<i>James Kennedy</i>	



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

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November 16, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: NAGUSS STATE COM TB

Enclosed are the results of analyses for samples received by the laboratory on 11/15/22 8:05.

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" at the beginning.

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:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 1 (3') (H225383-01)**

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	11/15/2022	ND	2.19	109	2.00	2.23	
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.8 % 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	80.0	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 99.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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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:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 2 (3') (H225383-02)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.7 % 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	96.0	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 89.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.3 % 46.3-178

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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:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 3 (3') (H225383-03)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 93.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.7 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 4 (3') (H225383-04)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 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	240	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 88.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.8 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 5 (3') (H225383-05)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 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	
<b>Chloride</b>	<b>240</b>	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 91.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.2 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 6 (3') (H225383-06)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.8 % 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	
<b>Chloride</b>	<b>176</b>	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 92.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.8 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 7 (3') (H225383-07)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 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	128	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 93.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 8 (3') (H225383-08)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.0 % 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	<b>128</b>	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 87.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.6 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 9 (3') (H225383-09)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.8 % 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	80.0	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 90.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.8 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 10 (5') (H225383-10)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 90.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.6 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 11 (5') (H225383-11)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.3 % 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	272	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 88.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.3 % 46.3-178

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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:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 12 (5') (H225383-12)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 96.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 13 (6') (H225383-13)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 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	208	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 92.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.2 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 14 (6') (H225383-14)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 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	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 98.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 15 (6') (H225383-15)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.1 % 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	16.0	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 91.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.5 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 16 (6') (H225383-16)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.8 % 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	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 17 (6') (H225383-17)**

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	11/15/2022	ND	2.19	109	2.00	2.23		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.18		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.37	106	6.00	1.27		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 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	192	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 93.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.7 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: CS - 18 (6') (H225383-18)**

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	11/15/2022	ND	2.14	107	2.00	1.88		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.87		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.48		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.32	105	6.00	0.422		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 97.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: SW - 1 (3') (H225383-19)**

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	11/15/2022	ND	2.14	107	2.00	1.88	
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.87	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.48	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.32	105	6.00	0.422	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.4 % 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	11/15/2022	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	11/15/2022	ND	205	103	200	1.40	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.8 % 46.3-178

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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:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: SW - 2 (3') (H225383-20)**

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	11/15/2022	ND	2.14	107	2.00	1.88	
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.87	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.48	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.32	105	6.00	0.422	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.6 % 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	16.0	16.0	11/15/2022	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	11/15/2022	ND	205	103	200	1.40	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	196	98.1	200	0.950	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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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:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: SW - 3 (5') (H225383-21)**

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	11/15/2022	ND	2.14	107	2.00	1.88	
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.87	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.48	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.32	105	6.00	0.422	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 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	688	16.0	11/15/2022	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	11/15/2022	ND	191	95.3	200	2.05	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	194	97.0	200	0.0521	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 75.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.2 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: SW - 4 (6') (H225383-22)**

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	11/15/2022	ND	2.14	107	2.00	1.88	
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.87	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.48	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.32	105	6.00	0.422	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.7 % 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
<b>Chloride</b>	<b>16.0</b>	16.0	11/15/2022	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	11/15/2022	ND	191	95.3	200	2.05	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	194	97.0	200	0.0521	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: SW - 5 (6') (H225383-23)**

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	11/15/2022	ND	2.14	107	2.00	1.88	
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.87	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.48	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.32	105	6.00	0.422	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2022	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	11/15/2022	ND	191	95.3	200	2.05	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	194	97.0	200	0.0521	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 77.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.8 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: SW - 6 (6') (H225383-24)**

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	11/15/2022	ND	2.14	107	2.00	1.88		
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.87		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.48		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.32	105	6.00	0.422		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.8 % 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	11/15/2022	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	11/15/2022	ND	191	95.3	200	2.05		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	194	97.0	200	0.0521		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 78.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.0 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: SW - 7 (3') (H225383-25)**

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	11/15/2022	ND	2.14	107	2.00	1.88	
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.87	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.48	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.32	105	6.00	0.422	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 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	192	16.0	11/15/2022	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	11/15/2022	ND	191	95.3	200	2.05	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	194	97.0	200	0.0521	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 74.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.9 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: SW - 8 (3') (H225383-26)**

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	11/15/2022	ND	2.14	107	2.00	1.88	
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.87	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.48	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.32	105	6.00	0.422	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.5 % 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	208	16.0	11/15/2022	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	11/15/2022	ND	191	95.3	200	2.05	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	194	97.0	200	0.0521	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 71.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.6 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: SW - 9 (2') (H225383-27)**

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	11/15/2022	ND	2.14	107	2.00	1.88	
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.87	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.48	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.32	105	6.00	0.422	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/15/2022	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	11/15/2022	ND	191	95.3	200	2.05	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	194	97.0	200	0.0521	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 72.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.3 % 46.3-178

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**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: SW - 10 (1') (H225383-28)**

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	11/15/2022	ND	2.14	107	2.00	1.88	
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.87	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.48	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.32	105	6.00	0.422	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.9 % 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	16.0	16.0	11/15/2022	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	11/15/2022	ND	191	95.3	200	2.05	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	194	97.0	200	0.0521	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 68.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 73.4 % 46.3-178

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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:	11/15/2022	Sampling Date:	11/14/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: SW - 11 (1') (H225383-29)**

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	11/15/2022	ND	2.14	107	2.00	1.88	
Toluene*	<0.050	0.050	11/15/2022	ND	2.21	111	2.00	1.87	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.10	105	2.00	1.48	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.32	105	6.00	0.422	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 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	256	16.0	11/15/2022	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	11/15/2022	ND	191	95.3	200	2.05	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	194	97.0	200	0.0521	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 69.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 70.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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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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\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: HA2538

Page 1 of 3

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, TX 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

Program:	UST/PST	<input type="checkbox"/> PRR	<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"/> RRP	<input type="checkbox"/> Level IV	<input type="checkbox"/>
Deliverables:	EDD	<input type="checkbox"/>	ADAPT	<input type="checkbox"/>	Other:

Project Name:	Naguss State Com TB		Turn Around		Pres. Code	ANALYSIS REQUEST						Preservative Codes
Project Number:	1151	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	24 Hrs								
Project Location:	Lea County, NM		Due Date:	24 Hrs							None: NO	DI Water: H <sub>2</sub> O
Sampler's Name:	GPJ		24 Hours								Cool: Cool	MeOH: Me
PO #:											HCL: HC	HNO <sub>3</sub> : HN
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>							H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:									H <sub>3</sub> PO <sub>4</sub> : HP	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Correction Factor:	113								NaHSO <sub>4</sub> : NABIS	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Temperature Reading:	-0.6°C								Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>	
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Temperature Reading:	-1.4°C								Zn Acetate+NaOH: Zn	
		Corrected Temperature:	-2.0°C								NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	ANALYSIS REQUEST						Sample Comments	
CS-1 (3)	11/14/2022		X		Comp	1	X	X	X								
CS-2 (3)	11/14/2022		X		Comp	1	X	X	X								
CS-3 (3)	11/14/2022		X		Comp	1	X	X	X								
CS-4 (3)	11/14/2022		X		Comp	1	X	X	X								
CS-5 (3)	11/14/2022		X		Comp	1	X	X	X								
CS-6 (3)	11/14/2022		X		Comp	1	X	X	X								
CS-7 (3)	11/14/2022		X		Comp	1	X	X	X								
CS-8 (3)	11/14/2022		X		Comp	1	X	X	X								
CS-9 (3)	11/14/2022		X		Comp	1	X	X	X								
CS-10 (5)	11/14/2022		X		Comp	1	X	X	X								

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11-15-22 0805		

Chain of Custody

Work Order No: HA25383

Page 2 of 3

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, TX 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"/> Superfund <input type="checkbox"/>	State of Project:
Reporting Level: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			ANALYSIS REQUEST	Preservative Codes	Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500			
CS-11 (5')	11/14/2022		X		Comp	1	X	X	X			
CS-12 (5')	11/14/2022		X		Comp	1	X	X	X			
CS-13 (6')	11/14/2022		X		Comp	1	X	X	X			
CS-14 (6')	11/14/2022		X		Comp	1	X	X	X			
CS-15 (6')	11/14/2022		X		Comp	1	X	X	X			
CS-16 (6')	11/14/2022		X		Comp	1	X	X	X			
CS-17 (6')	11/14/2022		X		Comp	1	X	X	X			
CS-18 (6')	11/14/2022		X		Comp	1	X	X	X			
SW-1 (3')	11/14/2022		X		Comp	1	X	X	X			
SW-2 (3')	11/14/2022		X		Comp	1	X	X	X			

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11-15-22 OBS		

Chain of Custody

Work Order No: HA2538

Page 3 of 3

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, Tx 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

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

Project Name:	Naguss State Com TB	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST	Preservative Codes
Project Number:	1151	Due Date:	24Hrs				None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Project Location:	Lea County, NM	Sampler's Name:	GPJ				
PO #:		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
<b>SAMPLE RECEIPT</b>		Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113		
		Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.6%		
		Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	-1.4%		
		Total Containers:		Corrected Temperature:	-20%		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
SW-3 (5)	11/14/2022		X		Comp	1	BTEX 8021B	
SW-4 (6)	11/14/2022		X		Comp	1	TPH 8015M ( GRO + DRO + MRO)	
SW-5 (6)	11/14/2022		X		Comp	1	Chloride 4500	
SW-6 (6)	11/14/2022		X		Comp	1		
SW-7 (3)	11/14/2022		X		Comp	1		
SW-8 (3)	11/14/2022		X		Comp	1		
SW-9 (2)	11/14/2022		X		Comp	1		
SW-10 (1)	11/14/2022		X		Comp	1		
SW-11 (1)	11/14/2022		X		Comp	1		

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11-15-22 0805		



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---

November 17, 2022

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

RE: NAGUSS STATE COM TB

Enclosed are the results of analyses for samples received by the laboratory on 11/16/22 14:07.

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:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/17/2022	Sampling Type:	Solid
Project Name:	NAGUSS STATE COM TB	Sampling Condition:	Cool & Intact
Project Number:	1151	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

**Sample ID: SW - 3 (5') (H225423-01)**

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	11/16/2022	ND	1.91	95.5	2.00	5.24		
Toluene*	<0.050	0.050	11/16/2022	ND	1.92	96.2	2.00	4.04		
Ethylbenzene*	<0.050	0.050	11/16/2022	ND	1.88	93.8	2.00	5.84		
Total Xylenes*	<0.150	0.150	11/16/2022	ND	5.70	95.0	6.00	8.82		
Total BTEX	<0.300	0.300	11/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	400	16.0	11/17/2022	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	11/16/2022	ND	199	99.7	200	1.42		
DRO >C10-C28*	<10.0	10.0	11/16/2022	ND	189	94.5	200	0.757		
EXT DRO >C28-C36	<10.0	10.0	11/16/2022	ND						

Surrogate: 1-Chlorooctane 78.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.0 % 46.3-178

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 172508

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 172508
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/27/2023