



**SITE INFORMATION**

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**Closure Report  
Querecho Federal #2  
Lea County, New Mexico  
Unit N Sec 28 T18S R33E  
32.713064°, -103.670203°**

**Crude Oil and Produced Water Release**

**Point of Release: Stuffing box blowout**

**Release Date: 01/25/2023**

**Volume Released: 1 Barrel of Crude Oil and 4 Barrels of Produced Water  
Volume Recovered: 1 Barrel of Crude Oil and 3 Barrels of Produced Water**

**CARMONA RESOURCES**



**Prepared for:  
EOG Resources  
5509 Champions Drive  
Midland, TX 79706**

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



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April 21, 2023

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

**Re: Closure Report  
Querecho Federal #2  
EOG Resources Inc.  
Site Location: Unit N, S28, T18S, R33E  
(Lat 32.713064°, Long -103.670203°)  
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 the Querecho Federal #2 site activities. The site is located at 32.713064°, -103.670203° within Unit N, S28, T18S, R33E, in Lea County, New Mexico (Figures 1 and 2).

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

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on January 25, 2023, due to equipment failure caused by a stuffing box blowout. It released approximately one (1) barrel of crude oil and four (4) barrels of produced water. Approximately one (1) barrel of crude oil was recovered, and three (3) barrels of produced water were recovered. The impacted area occurred on the pad and measured approximately 173'x162', 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 karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 0.57 miles Southeast of the site in S33, T18S, R33E and was drilled in 1958. The well has a reported depth to groundwater of 177.35' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

Per the NMOCD regulatory criteria established in 19.15.29.12, 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.

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## **4.0 Site Assessment Activities**

### **Trenching Activities**

On February 8, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of five (5) trenches (T-1 through T-5) and eleven (11) horizontal samples (H-1 through H-11) were advanced to depths ranging from the surface to 5' bgs inside and surrounding the release area to evaluate the vertical and horizontal 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. The sample locations are shown in Figure 3. Refer to Table 1.

The areas of T-1 and T-4 showed elevated chloride concentrations ranging from 688 mg/kg to 1,140 mg/kg from surface to 3.0' bgs that declined with depth. The area of T-2 showed an elevated chloride concentration of 1,200 mg/kg from surface to 4.0' bgs that decreased with depth. The areas of T-3 and T-5 were below the regulatory requirements for TPH, BTEX, and chloride.

Vertical and horizontal delineation was achieved for all sample points collected. Refer to Table 1.

## **5.0 Remediation Activities**

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on March 9, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of seventy (70) floor confirmation samples were collected (CS-1 through CS-70), and twenty-nine (29) sidewall samples (SW-1 through SW-29) 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.

Confirmation samples (CS-26, CS-49, CS-54, CS-55, CS-59, CS-61, CS-62, CS-63, CS-64, CS-65, CS-66, CS-67, CS68, CS-69, and CS-70) showed elevated chloride levels and were excavated an additional 0.5' to remove contaminated soil. Confirmation sample number thirty-one (CS-31) showed elevated TPH, and an additional 0.5' was excavated to remove contaminated soil. Sidewall sample number fifteen (SW-15) showed elevated total TPH and chloride; an additional 1.0' was excavated to remove contaminated soil. Sidewall sample sixteen (SW-16) showed high total TPH levels; an additional 1.0' was excavated to remove



contaminated soil. Sidewall samples (SW-24, SW-25, SW-26, and SW-27) showed elevated chloride levels and were excavated an additional 1.0' to remove contaminated soil. All recollected 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. 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. The pad was rolled, watered, and compacted in lifts to surface grade. Approximately 1,260 cubic yards of material were excavated and transported offsite for proper disposal.

### **6.0 Conclusions**

Based on the assessment results and the analytical data, no further actions are required at the site. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

Mike Carmona  
Environmental Manager

Conner Moehring  
Sr. Project Manager

# FIGURES

CARMONA RESOURCES

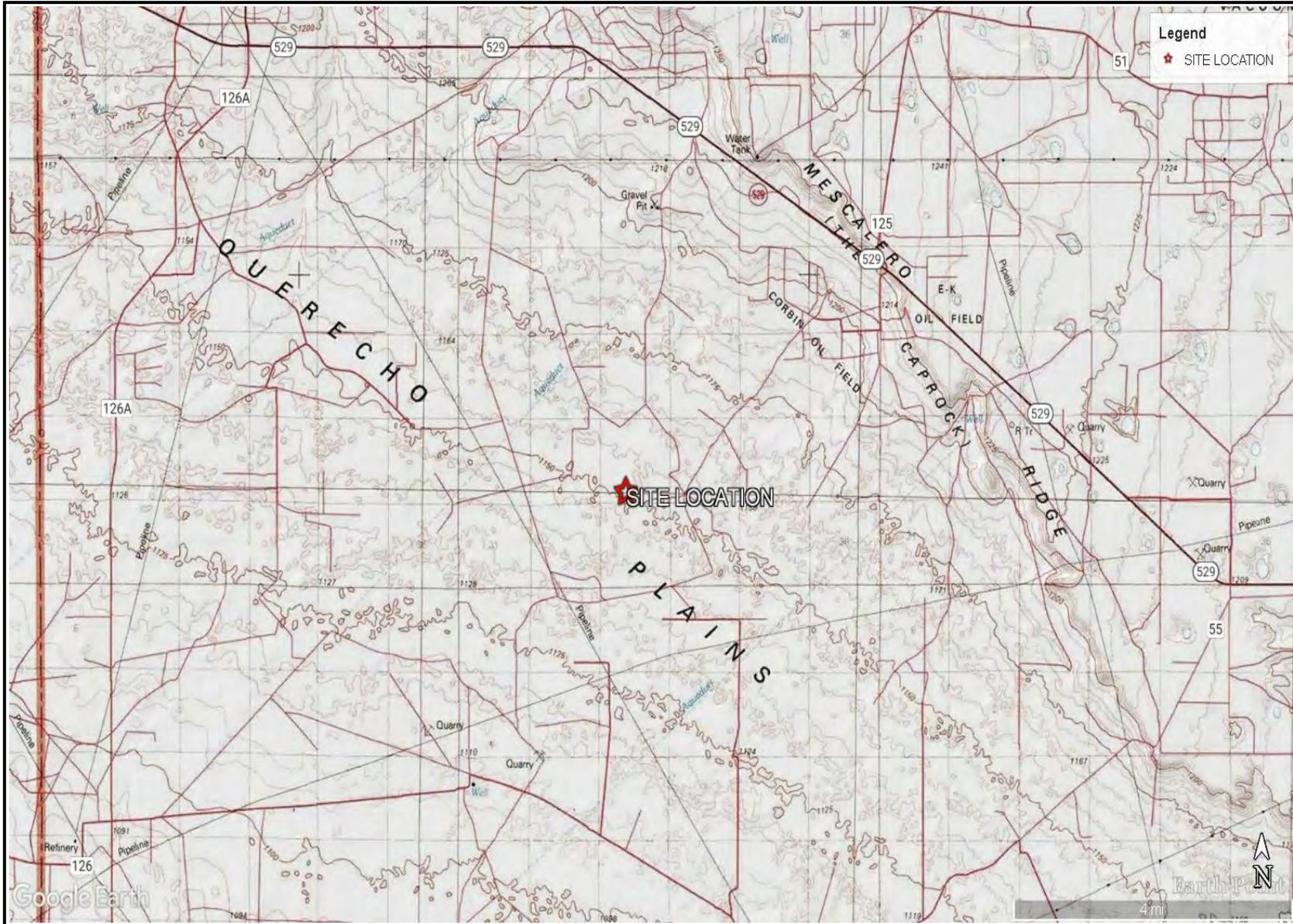




OVERVIEW MAP  
EOG RESOURCES  
QUERECHO FEDERAL #2  
LEA COUNTY, NEW MEXICO  
32.713064°, -103.670203°



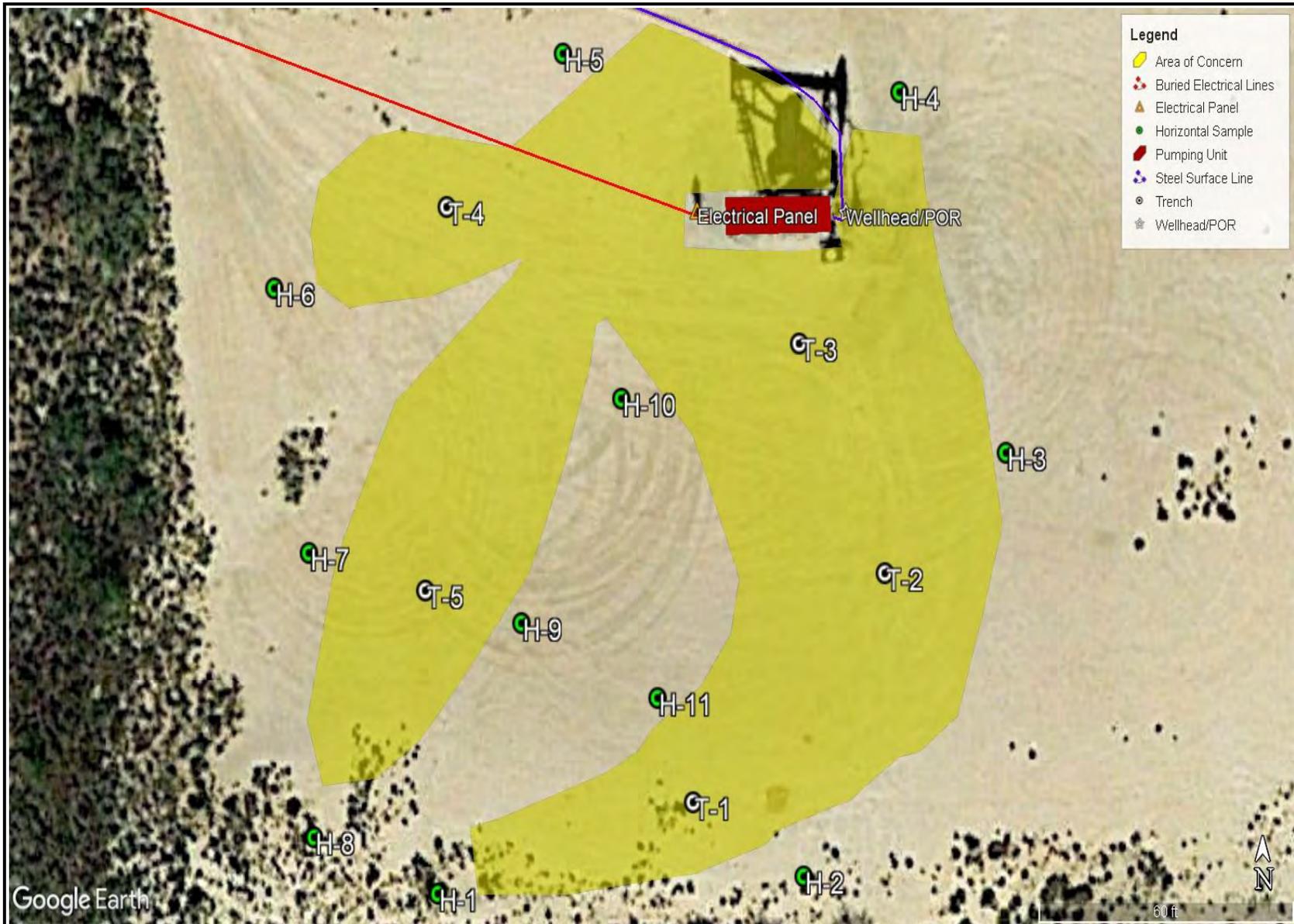
FIGURE 1



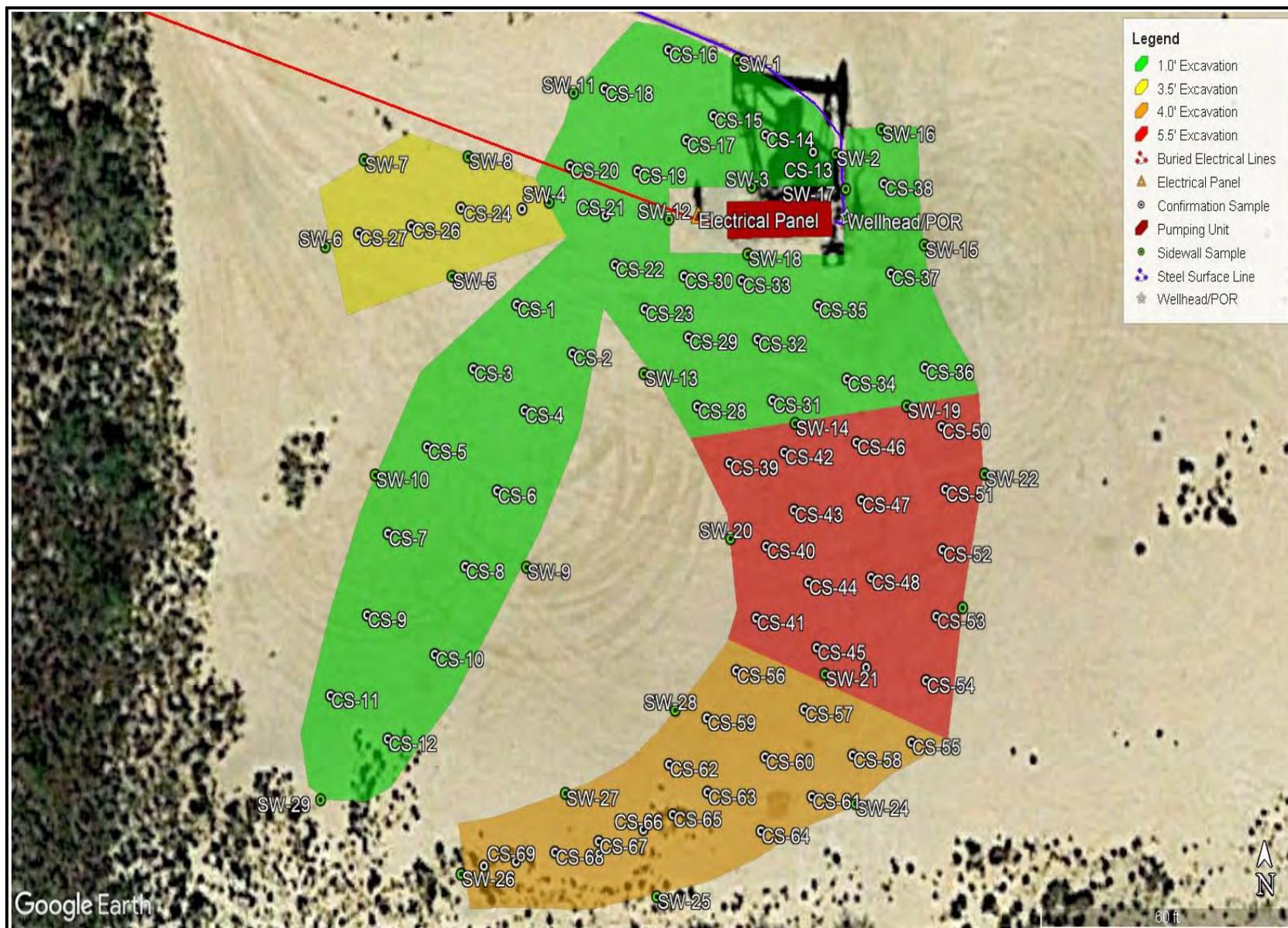
TOPOGRAPHIC MAP  
EOG RESOURCES  
QUERECHO FEDERAL #2  
LEA COUNTY, NEW MEXICO  
32.713064°, -103.670203°



FIGURE 2



<p>SAMPLE LOCATION MAP EOG RESOURCES QUERECHO FEDERAL #2 LEA COUNTY, NEW MEXICO 32.713064°, -103.670203°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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EXCAVATION MAP  
EOG RESOURCES  
QUERECHO FEDERAL #2  
LEA COUNTY, NEW MEXICO  
32.713064°, -103.670203°



FIGURE 4

# APPENDIX A

CARMONA RESOURCES



**Table 1  
EOG Resources  
Querecho Federal 2  
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						
<b>T-1</b>	2/8/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
	"	1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>688</b>
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>704</b>
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
<b>T-2</b>	2/8/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
	"	1	<10.0	17.7	<10.0	17.7	<0.050	<0.050	<0.050	<0.150	<0.300	448
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>2,360</b>
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>2,000</b>
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,200</b>
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
<b>T-3</b>	2/8/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
	"	1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<b>T-4</b>	2/8/2023	0-1	<10.0	17.1	<10.0	17.1	<0.050	<0.050	<0.050	<0.150	<0.300	<b>944</b>
	"	1	<10.0	17.1	<10.0	17.1	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,140</b>
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>832</b>
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>944</b>
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
<b>T-5</b>	2/8/2023	0-1	<10.0	21.1	<10.0	21.1	<0.050	<0.050	<0.050	<0.150	<0.300	352
	"	1	<10.0	24.8	<10.0	24.8	<0.050	<0.050	<0.050	<0.150	<0.300	320
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>				<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed

<sup>A</sup> - Table 1 - 19.15.29 NMAC  
mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons  
ft-feet

(T) - Trench

 Removed

**Table 1**  
**EOG Resources**  
**Querecho Federal 2**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	2/8/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
H-2	2/8/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
H-3	2/8/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
H-4	2/8/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
H-5	2/8/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-6	2/8/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
H-7	2/8/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
H-8	2/8/2023	0-0.5	<10.0	29.2	<10.0	29.2	<0.050	<0.050	<0.050	<0.150	<0.300	272
H-9	2/8/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
H-10	2/8/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-11	2/8/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<i>Regulatory Criteria<sup>A</sup></i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) - Horizontal

**Table 2  
EOG Resources  
Querecho Federal 2  
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						
CS-1	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-2	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-3	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-4	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-5	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-6	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-7	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
CS-8	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-9	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-10	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
CS-11	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-12	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-13	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-14	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
CS-15	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-16	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	512
CS-17	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-18	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-19	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
CS-20	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
CS-21	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-22	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	592
<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

(CS) Confirmation Sample

**Table 2**  
**EOG Resources**  
**Querecho Federal 2**  
**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						
CS-23	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-24	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
CS-25	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-26	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	736
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-27	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-28	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-29	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
CS-30	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
CS-31	3/13/2023	1.0	<10.0	265	42.2	307.2	<0.050	<0.050	<0.050	<0.150	<0.300	480
	3/16/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-32	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
CS-33	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-34	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-35	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-36	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-37	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-38	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-39	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-40	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-41	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-42	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<b>Regulatory Criteria<sup>A</sup></b>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed  
<sup>A</sup> – Table 1 - 19.15.29 NMAC  
 mg/kg - milligram per kilogram  
 TPH- Total Petroleum Hydrocarbons  
 ft-feet  
 (CS) Confirmation Sample  
 Removed

**Table 2  
EOG Resources  
Querecho Federal 2  
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						
CS-43	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-44	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-45	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-46	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-47	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-48	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-49	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	624
	3/16/2023	6.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-50	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-51	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-52	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-53	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	512
CS-54	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	624
	3/16/2023	6.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-55	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	768
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-56	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS-57	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS-58	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-59	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	704
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-60	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
<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

(CS) Confirmation Sample

Removed

**Table 2**  
**EOG Resources**  
**Querecho Federal 2**  
**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						
CS-61	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	848
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-62	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	608
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-63	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,090
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-64	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,090
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-65	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	720
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-66	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	752
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-67	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	720
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-68	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	688
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-69	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	880
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-70	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	672
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-1	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
SW-2	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-3	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	3/13/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
<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

(CS) Confirmation Sample

(SW) Sidewall Sample

Removed

**Table 2**  
**EOG Resources**  
**Querecho Federal 2**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-5	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-6	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
SW-7	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-8	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
SW-9	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-10	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
SW-11	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-12	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	576
SW-13	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-14	3/13/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-15	3/13/2023	1.0	<10.0	249	113	362	<0.050	<0.050	<0.050	<0.150	<0.300	608
	3/16/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-16	3/13/2023	1.0	<10.0	209	105	314	<0.050	<0.050	<0.050	<0.150	<0.300	496
	3/16/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-17	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
SW-18	3/13/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
SW-19	3/13/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-20	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-21	3/13/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
SW-22	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-23	3/13/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>Regulatory Criteria<sup>A</sup></b>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall Sample

Removed

**Table 2  
EOG Resources  
Querecho Federal 2  
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-24	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	656
	3/16/2023	3.5-4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-25	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	672
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-26	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	720
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-27	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	736
	3/16/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-28	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-29	3/13/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
<i>Regulatory Criteria<sup>A</sup></i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall Sample

Removed

## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

## EOG Resources

### Photograph No. 1

**Facility:** Querecho Federal #2

**County:** Lea County, New Mexico

**Description:**  
View South, area of CS-1 through CS-12.

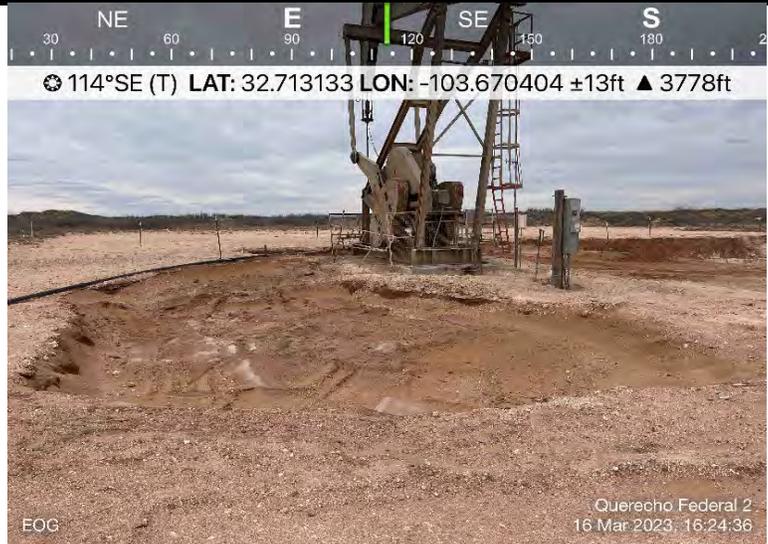


### Photograph No. 2

**Facility:** Querecho Federal #2

**County:** Lea County, New Mexico

**Description:**  
View Southeast, area of CS-13 through CS-21.



### Photograph No. 3

**Facility:** Querecho Federal #2

**County:** Lea County, New Mexico

**Description:**  
View East, area of CS-22 through CS-37.



# PHOTOGRAPHIC LOG

## EOG Resources

### Photograph No. 4

**Facility:** Querecho Federal #2

**County:** Lea County, New Mexico

**Description:**  
View South, area of CS-34 through CS-38.



### Photograph No. 5

**Facility:** Querecho Federal #2

**County:** Lea County, New Mexico

**Description:**  
View East, area of CS-24 through CS-27.



### Photograph No. 6

**Facility:** Querecho Federal #2

**County:** Lea County, New Mexico

**Description:**  
View South, area of CS-39 through CS-54.



# PHOTOGRAPHIC LOG

## EOG Resources

### Photograph No. 7

**Facility:** Querecho Federal #2

**County:** Lea County, New Mexico

**Description:**  
View East, area of CS-55 through CS-65.



### Photograph No. 8

**Facility:** Querecho Federal #2

**County:** Lea County, New Mexico

**Description:**  
View East, area of CS-55 through CS-70.



## 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	nAPP2306044595
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # (assigned by OCD) nAPP2306044595
Contact mailing address 5509 Champions Drive Midland, TX 79706	

### Location of Release Source

Latitude 32.713064° Longitude -103.670203°  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Querecho Fed #2	Site Type Well Pad
Date Release Discovered 1/25/23	API# (if applicable) 30-025-30485

Unit Letter	Section	Township	Range	County
N	28	18S	33E	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) 1	Volume Recovered (bbls) 1
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 4	Volume Recovered (bbls) 3
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Initially the release was estimated as less than 5 bbls, but following the initial soil assessment the volume was revised. A frac job at a nearby well caused the well to pressure up at the wellhead causing the packing on the stuffing box to blow out. This released approximately 5 bbls of produced water and oil from the wellhead across the pad with 4 bbls recovered.

State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2306044595
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
---------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

### 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 not 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: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 3-1-23

email: Todd\_Wells@eogresources.com Telephone: (432) 686-3613

**OCD Only**

Received by: Jocelyn Harimon Date: 03/01/2023

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: Todd Wells Date: 5/3/23

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

**OCD Only**

Received by: Jocelyn Harimon Date: 05/03/2023

State of New Mexico  
Oil Conservation Division

Page 6

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: Todd Wells Date: 5/3/23  
 email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Jocelyn Harimon Date: 05/03/2023

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: Nelson Velez Date: 07/24/2023  
 Printed Name: Nelson Velez Title: Environmental Specialist - Adv

---

**From:** Enviro, OCD, EMNRD  
**Sent:** Thursday, March 9, 2023 3:07 PM  
**To:** Mike Carmona; Nobui, Jennifer, EMNRD; Bratcher, Michael, EMNRD  
**Cc:** Conner Moehring; Todd Wells; Miranda Milwee  
**Subject:** RE: [EXTERNAL] EOG- Querecho Fed #2 - Sampling Notification - nAPP2306044595

Mike,

Please be aware that notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to insure inclusion in the project file.

JH

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



---

**From:** Mike Carmona <[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)>  
**Sent:** Thursday, March 9, 2023 12:55 PM  
**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)>; Todd Wells <[todd\\_wells@eogresources.com](mailto:todd_wells@eogresources.com)>; Miranda Milwee <[MilweeM@carmonaresources.com](mailto:MilweeM@carmonaresources.com)>  
**Subject:** [EXTERNAL] EOG- Querecho Fed #2 - Sampling Notification - nAPP2306044595

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

Good Afternoon,

On behalf of EOG, Carmona Resources will collect confirmation samples for the below-referenced site on 03/13/23 around 1:00 p.m. Please let me know if you have any questions.

Site Name – Querecho Fed #2  
Incident ID - nAPP2306044595

Mike J. Carmona  
310 West Wall Street, Suite 500

Midland TX, 79701

M: 432-813-1992

[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)

CARMONA RESOURCES



## APPENDIX D

CARMONA RESOURCES



### Nearest water well

EOG Resources

**Legend**

- 0.50 Mile Radius
- 0.57 Miles
- 1.68 Miles
- NMSEO Water Well
- Querecho Federal 2
- USGS Water Well

35' - Drilled 1957

Querecho Federal 2

177.35' - Drilled 1958



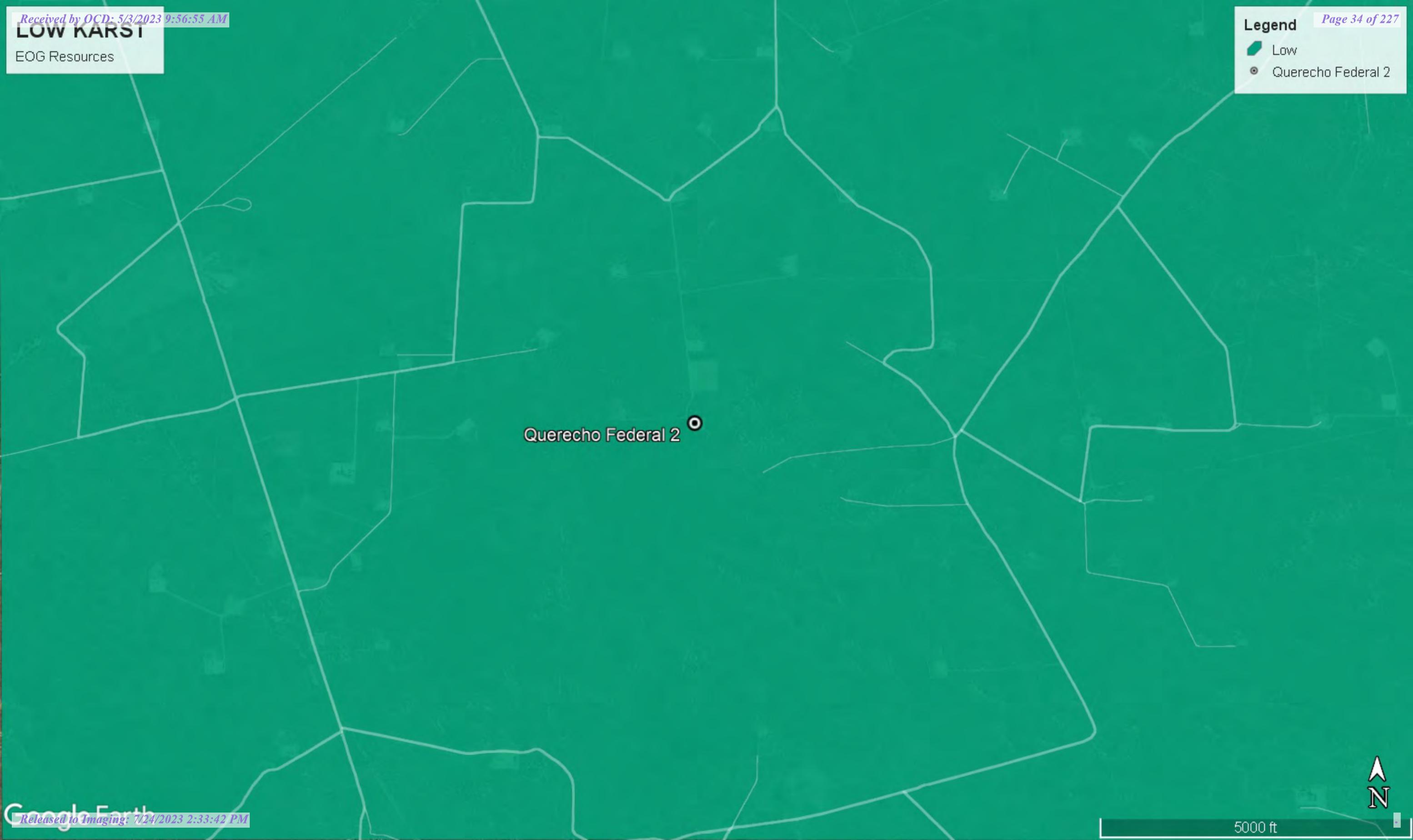
5000 ft

# LOW KARST

EOG Resources

## Legend

-  Low
-  Querecho Federal 2



Querecho Federal 2





# 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 00813 POD1</a>	CP	LE		1	33	18S	33E			624441	3619644*	627	300		
<a href="#">CP 01857 POD1</a>	CP	LE		3	4	4	32	18S	33E	623693	3618622	1871			
<a href="#">CP 00809 POD1</a>	CP	LE		2	1	05	19S	33E		623048	3618206*	2578	300		
<a href="#">L 03454</a>	L	LE		2	2	30	18S	33E		622200	3621422*	2700	100	35	65

Average Depth to Water: **35 feet**

Minimum Depth: **35 feet**

Maximum Depth: **35 feet**

**Record Count:** 4

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

**Easting (X):** 624629

**Northing (Y):** 3620243

**Radius:** 4000

\*UTM location was derived from PLSS - see Help

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



USGS Home  
 Contact USGS  
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National Water Information System: Web Interface

USGS Water Resources

Data Category:  Geographic Area:

Click for News Bulletins

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 = 

- 324224103394901

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

**USGS 324224103394901 18S.33E.33.21131**

Lea County, New Mexico  
 Latitude 32°42'24", Longitude 103°39'49" NAD27  
 Land-surface elevation 3,769 feet above NAVD88  
 The depth of the well is 200 feet below land surface.  
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
 This well is completed in the Chinle Formation (231CHNL) 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
1958-12-09			D	62610	3590.05	NGVD29	1	Z		
1958-12-09			D	62611	3591.65	NAVD88	1	Z		
1958-12-09			D	72019	177.35		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

Section	Code	Description
Water-level approval status	A	Approved for publication -- Processing and review completed.

- [Questions about sites/data?](#)
- [Feedback on this web site](#)
- [Automated retrievals](#)
- [Help](#)
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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: 2023-02-09 14:49:39 EST

0.49 0.37 nadww01



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)					(NAD83 UTM in meters)		
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
L	03454	2	2	30	18S	33E	622200	3621422*	

<b>Driller License:</b> 99	<b>Driller Company:</b> O.R. MUSSELWHITE WATER WELL SE	
<b>Driller Name:</b> MUSSELWHITE, O.R.		
<b>Drill Start Date:</b> 03/29/1957	<b>Drill Finish Date:</b> 03/30/1957	<b>Plug Date:</b>
<b>Log File Date:</b> 04/17/1957	<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> 100 feet	<b>Depth Water:</b> 35 feet

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	70	97	Sandstone/Gravel/Conglomerate

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>	
	75	100	

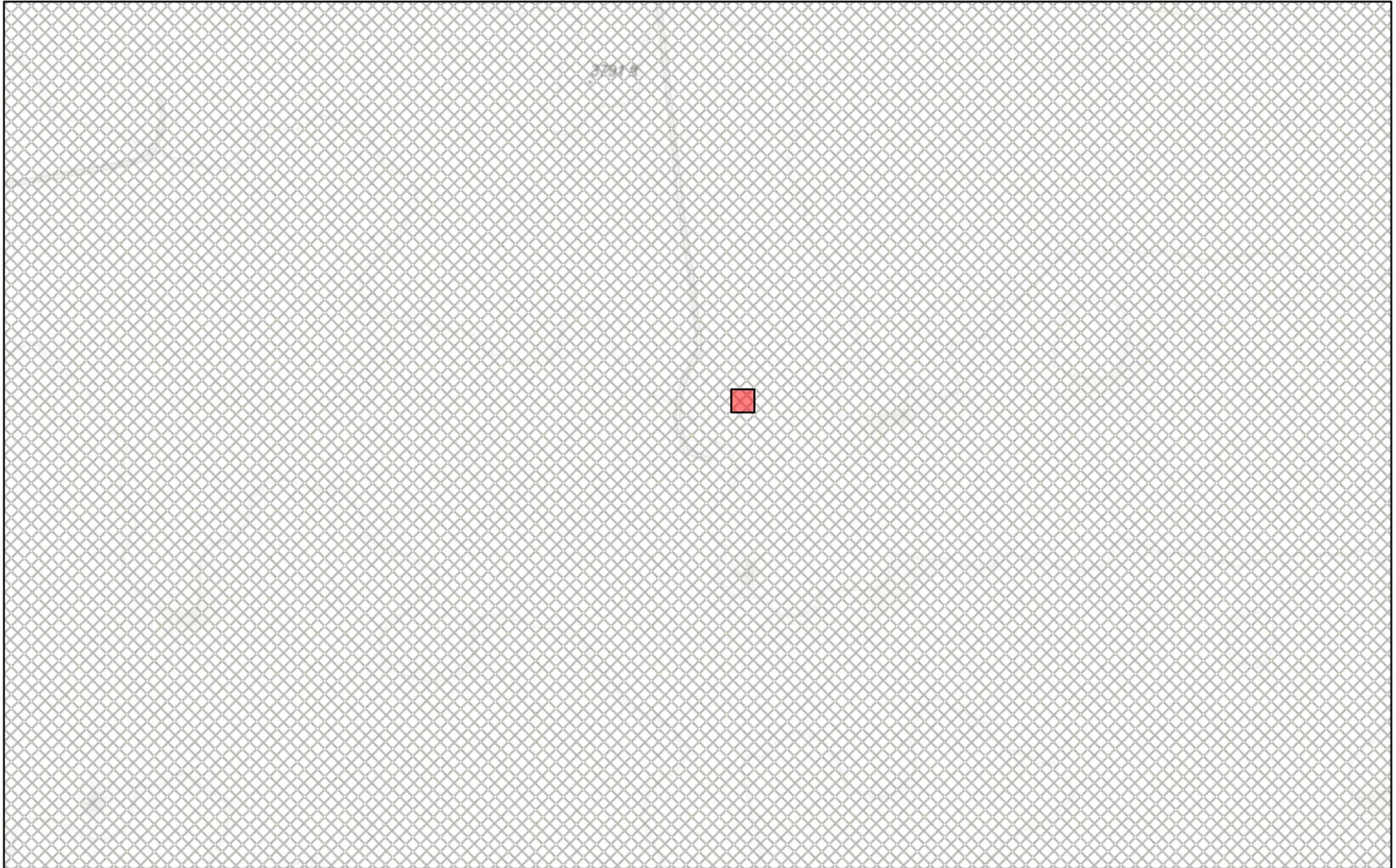
\*UTM location was derived from PLSS - see Help

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.

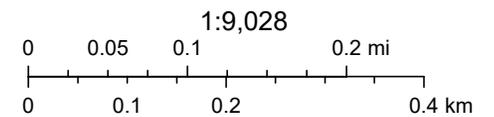
2/9/23 1:06 PM

POINT OF DIVERSION SUMMARY

# New Mexico NFHL Data



February 9, 2023



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

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

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

## APPENDIX E

CARMONA RESOURCES





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

---

February 13, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: QUERECHO FEDERAL 2

Enclosed are the results of analyses for samples received by the laboratory on 02/08/23 14:10.

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:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 1 (0-1') (H230563-01)**

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	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/10/2023	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	02/09/2023	ND	211	105	200	3.03	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	204	102	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 1 (1') (H230563-02)**

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	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/10/2023	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	02/09/2023	ND	211	105	200	3.03	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	204	102	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

Cardinal Laboratories

\* = Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 1 (2') (H230563-03)**

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	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	02/10/2023	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	02/09/2023	ND	211	105	200	3.03	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	204	102	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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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:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 1 (3') (H230563-04)**

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	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	02/10/2023	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	02/09/2023	ND	211	105	200	3.03	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	204	102	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 1 (4') (H230563-05)**

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	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	02/10/2023	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	02/09/2023	ND	211	105	200	3.03	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	204	102	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 1 (5') (H230563-06)**

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	02/10/2023	ND	2.05	102	2.00	1.52		
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566		
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20		
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41		
Total BTEX	<0.300	0.300	02/10/2023	ND						

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

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	02/10/2023	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	02/09/2023	ND	211	105	200	3.03		
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	204	102	200	3.32		
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 2 (0-1') (H230563-07)**

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	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/10/2023	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	02/09/2023	ND	211	105	200	3.03	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	204	102	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 2 (1') (H230563-08)**

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	02/10/2023	ND	2.05	102	2.00	1.52		
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566		
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20		
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41		
Total BTEX	<0.300	0.300	02/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>448</b>	16.0	02/10/2023	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	02/09/2023	ND	211	105	200	3.03		
<b>DRO &gt;C10-C28*</b>	<b>17.7</b>	10.0	02/09/2023	ND	204	102	200	3.32		
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND						

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 2 (2') (H230563-09)**

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	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	02/10/2023	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	02/09/2023	ND	211	105	200	3.03	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	204	102	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 2 (3') (H230563-10)**

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	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	02/10/2023	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	02/09/2023	ND	226	113	200	8.08	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	248	124	200	8.20	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 2 (4') (H230563-11)**

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	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	02/10/2023	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	02/09/2023	ND	226	113	200	8.08	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	248	124	200	8.20	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 70.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 2 (5') (H230563-12)**

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	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	02/10/2023	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	02/09/2023	ND	226	113	200	8.08	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	248	124	200	8.20	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 3 (0-1') (H230563-13)**

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	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/10/2023	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	02/09/2023	ND	226	113	200	8.08	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	248	124	200	8.20	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 3 (1') (H230563-14)**

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	02/10/2023	ND	2.05	102	2.00	1.52		
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566		
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20		
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41		
Total BTEX	<0.300	0.300	02/10/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	02/10/2023	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	02/09/2023	ND	226	113	200	8.08		
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	248	124	200	8.20		
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND						

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 3 (2') (H230563-15)**

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	02/10/2023	ND	2.05	102	2.00	1.52	
Toluene*	<0.050	0.050	02/10/2023	ND	2.07	104	2.00	0.566	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.08	104	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.30	105	6.00	2.41	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/10/2023	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	02/09/2023	ND	226	113	200	8.08	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	248	124	200	8.20	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 3 (3') (H230563-16)**

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	02/10/2023	ND	2.04	102	2.00	1.81	QR-03	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	QR-03	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	QR-03	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21		
Total BTEX	<0.300	0.300	02/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	02/10/2023	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	02/09/2023	ND	226	113	200	8.08		
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	248	124	200	8.20		
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND						

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 3 (4') (H230563-17)**

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	02/10/2023	ND	2.04	102	2.00	1.81		
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60		
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78		
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21		
Total BTEX	<0.300	0.300	02/10/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/10/2023	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	02/09/2023	ND	226	113	200	8.08		
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	248	124	200	8.20		
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND						

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 3 (5') (H230563-18)**

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	02/10/2023	ND	2.04	102	2.00	1.81		
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60		
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78		
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21		
Total BTEX	<0.300	0.300	02/10/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/10/2023	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	02/09/2023	ND	226	113	200	8.08		
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	248	124	200	8.20		
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND						

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 4 (0-1') (H230563-19)**

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	02/10/2023	ND	2.04	102	2.00	1.81	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>944</b>	16.0	02/10/2023	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	02/09/2023	ND	226	113	200	8.08	
<b>DRO &gt;C10-C28*</b>	<b>17.1</b>	10.0	02/09/2023	ND	248	124	200	8.20	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 4 (1') (H230563-20)**

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	02/10/2023	ND	2.04	102	2.00	1.81	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1140</b>	16.0	02/10/2023	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	02/09/2023	ND	226	113	200	8.08	
<b>DRO &gt;C10-C28*</b>	<b>17.1</b>	10.0	02/09/2023	ND	248	124	200	8.20	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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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:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 4 (2') (H230563-21)**

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	02/10/2023	ND	2.04	102	2.00	1.81		
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60		
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78		
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21		
Total BTEX	<0.300	0.300	02/10/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	02/10/2023	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	02/09/2023	ND	226	113	200	8.08		
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	248	124	200	8.20		
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND						

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 4 (3') (H230563-22)**

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	02/10/2023	ND	2.04	102	2.00	1.81	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	02/10/2023	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	02/09/2023	ND	226	113	200	8.08	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	248	124	200	8.20	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 4 (4') (H230563-23)**

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	02/10/2023	ND	2.04	102	2.00	1.81		
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60		
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78		
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21		
Total BTEX	<0.300	0.300	02/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32		
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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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:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 4 (5') (H230563-24)**

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	02/10/2023	ND	2.04	102	2.00	1.81	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

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	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 5 (0-1') (H230563-25)**

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	02/10/2023	ND	2.04	102	2.00	1.81	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>352</b>	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
<b>DRO &gt;C10-C28*</b>	<b>21.1</b>	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 5 (1') (H230563-26)**

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	02/10/2023	ND	2.04	102	2.00	1.81	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>320</b>	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
<b>DRO &gt;C10-C28*</b>	<b>24.8</b>	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 5 (2') (H230563-27)**

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	02/10/2023	ND	2.04	102	2.00	1.81	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 5 (3') (H230563-28)**

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	02/10/2023	ND	2.04	102	2.00	1.81		
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60		
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78		
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21		
Total BTEX	<0.300	0.300	02/10/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32		
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND						

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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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:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 5 (4') (H230563-29)**

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	02/10/2023	ND	2.04	102	2.00	1.81		
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60		
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78		
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21		
Total BTEX	<0.300	0.300	02/10/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32		
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72		
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND						

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: T - 5 (5') (H230563-30)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.04	102	2.00	1.81	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 1 (0-0.5') (H230563-31)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.04	102	2.00	1.81	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 2 (0-0.5') (H230563-32)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.04	102	2.00	1.81	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 3 (0-0.5') (H230563-33)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.04	102	2.00	1.81	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 4 (0-0.5') (H230563-34)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.04	102	2.00	1.81	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 5 (0-0.5') (H230563-35)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.04	102	2.00	1.81	
Toluene*	<0.050	0.050	02/10/2023	ND	2.02	101	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	1.97	98.5	2.00	1.78	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	5.98	99.7	6.00	2.21	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 6 (0-0.5') (H230563-36)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.00	100	2.00	4.37	
Toluene*	<0.050	0.050	02/10/2023	ND	2.04	102	2.00	5.01	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.01	101	2.00	3.54	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.19	103	6.00	4.27	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

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

Received:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 7 (0-0.5') (H230563-37)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.00	100	2.00	4.37	
Toluene*	<0.050	0.050	02/10/2023	ND	2.04	102	2.00	5.01	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.01	101	2.00	3.54	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.19	103	6.00	4.27	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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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:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 8 (0-0.5') (H230563-38)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.00	100	2.00	4.37	
Toluene*	<0.050	0.050	02/10/2023	ND	2.04	102	2.00	5.01	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.01	101	2.00	3.54	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.19	103	6.00	4.27	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>272</b>	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
<b>DRO &gt;C10-C28*</b>	<b>29.2</b>	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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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:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 9 (0-0.5') (H230563-39)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.00	100	2.00	4.37	
Toluene*	<0.050	0.050	02/10/2023	ND	2.04	102	2.00	5.01	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.01	101	2.00	3.54	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.19	103	6.00	4.27	
Total BTEX	<0.300	0.300	02/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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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:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 10 (0-0.5') (H230563-40)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.00	100	2.00	4.37	
Toluene*	<0.050	0.050	02/10/2023	ND	2.04	102	2.00	5.01	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.01	101	2.00	3.54	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.19	103	6.00	4.27	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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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:	02/08/2023	Sampling Date:	02/08/2023
Reported:	02/13/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: H - 11 (0-0.5') (H230563-41)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	ND	2.00	100	2.00	4.37	
Toluene*	<0.050	0.050	02/10/2023	ND	2.04	102	2.00	5.01	
Ethylbenzene*	<0.050	0.050	02/10/2023	ND	2.01	101	2.00	3.54	
Total Xylenes*	<0.150	0.150	02/10/2023	ND	6.19	103	6.00	4.27	
Total BTEX	<0.300	0.300	02/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/10/2023	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	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

# Chain of Custody

Work Order No: H230503

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
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:	Todd Wells@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 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:	Querecho Federal 2	Turn Around	ANALYSIS REQUEST										Preservative Codes								
Project Number:	1230	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code													None: NO	DI Water: H <sub>2</sub> O				
Project Location:	Lea County, New Mexico	Due Date:	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500											Cool: Cool	MeOH: Me			
Sampler's Name:	CCM	72 Hours															HCL: HC	HNO <sub>3</sub> : HN			
PO #:																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>											H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:					113												NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6°C												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>						
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	4.9°C												Zn Acetate+NaOH: Zn						
Total Containers:		Corrected Temperature:	4.3°C												NaOH+Ascorbic Acid: SAPC						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont												Sample Comments			
T-1 (0-1')	2/8/2023		X		Grab/	1	X	X	X												
T-1 (1')	2/8/2023		X		Grab/	1	X	X	X												
T-1 (2')	2/8/2023		X		Grab/	1	X	X	X												
T-1 (3')	2/8/2023		X		Grab/	1	X	X	X												
T-1 (4')	2/8/2023		X		Grab/	1	X	X	X												
T-1 (5')	2/8/2023		X		Grab/	1	X	X	X												
T-2 (0-1')	2/8/2023		X		Grab/	1	X	X	X												
T-2 (1')	2/8/2023		X		Grab/	1	X	X	X												
T-2 (2')	2/8/2023		X		Grab/	1	X	X	X												
T-2 (3')	2/8/2023		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
	2-8-23 1410		

# Chain of Custody

Work Order No: 1230503

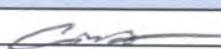
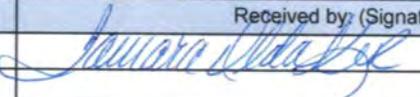
Page 2 of 5

Project Manager: Conner Moehring	Bill to: (if different)	Todd Wells
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:	Todd_Wells@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 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:	Querecho Federal 2		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	1230		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Parameters											None: NO	DI Water: H <sub>2</sub> O		
Project Location	Lea County, New Mexico		Due Date:	72 Hours	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500												Cool: Cool	MeOH: Me		
Sampler's Name:	CCM															HCL: HC	HNO <sub>3</sub> : HN			
PO #:																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na			
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											H <sub>3</sub> PO <sub>4</sub> : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113												NaHSO <sub>4</sub> : NABIS					
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6c												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>					
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	4.9c												Zn Acetate+NaOH: Zn					
Total Containers:			Corrected Temperature:	4.3c												NaOH+Ascorbic Acid: SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments			
T-2 (4')	2/8/2023		X		Grab/	1	X	X	X											
T-2 (5')	2/8/2023		X		Grab/	1	X	X	X											
T-3 (0-1')	2/8/2023		X		Grab/	1	X	X	X											
T-3 (1')	2/8/2023		X		Grab/	1	X	X	X											
T-3 (2')	2/8/2023		X		Grab/	1	X	X	X											
T-3 (3')	2/8/2023		X		Grab/	1	X	X	X											
T-3 (4')	2/8/2023		X		Grab/	1	X	X	X											
T-3 (5')	2/8/2023		X		Grab/	1	X	X	X											
T-4 (0-1')	2/8/2023		X		Grab/	1	X	X	X											
T-4 (1')	2/8/2023		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
	2-8-23 1410		



# Chain of Custody

Work Order No: H230543

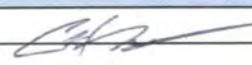
Page 4 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
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:	Todd_Wells@eogresources.com

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Iperfund <input type="checkbox"/>
State of Project:	
Reporting:	Level 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:	Querecho Federal 2	Turn Around	ANALYSIS REQUEST										Preservative Codes					
Project Number:	1230	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code														None: NO      DI Water: H <sub>2</sub> O	
Project Location	Lea County, New Mexico	Due Date:															Cool: Cool      MeOH: Me	
Sampler's Name:	CCM																HCL: HC      HNO <sub>3</sub> : HN	
PO #:																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na	
<b>SAMPLE RECEIPT</b>		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500									
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	113															
Sample Custody Seals:	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	-0.6°C															
Total Containers:		Corrected Temperature:	4.9°C															
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
H-1 (0-0.5')	2/8/2023		X		Grab/	1	X	X	X									
H-2 (0-0.5')	2/8/2023		X		Grab/	1	X	X	X									
H-3 (0-0.5')	2/8/2023		X		Grab/	1	X	X	X									
H-4 (0-0.5')	2/8/2023		X		Grab/	1	X	X	X									
H-5 (0-0.5')	2/8/2023		X		Grab/	1	X	X	X									
H-6 (0-0.5')	2/8/2023		X		Grab/	1	X	X	X									
H-7 (0-0.5')	2/8/2023		X		Grab/	1	X	X	X									
H-8 (0-0.5')	2/8/2023		X		Grab/	1	X	X	X									
H-9 (0-0.5')	2/8/2023		X		Grab/	1	X	X	X									
H-10 (0-0.5')	2/8/2023		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
	2-8-23 1410		





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March 15, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: QUERECHO FEDERAL 2

Enclosed are the results of analyses for samples received by the laboratory on 03/14/23 8:19.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 1 (1.0') (H231147-01)**

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	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/14/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 2 (1.0') (H231147-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 3 (1.0') (H231147-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 4 (1.0') (H231147-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 5 (1.0') (H231147-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 6 (1.0') (H231147-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 7 (1.0') (H231147-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 8 (1.0') (H231147-08)**

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	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 9 (1.0') (H231147-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 10 (1.0') (H231147-10)**

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	03/14/2023	ND	1.74	87.0	2.00	16.1		
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6		
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3		
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2		
Total BTEX	<0.300	0.300	03/14/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146		
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606		
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND						

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 11 (1.0') (H231147-11)**

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	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 12 (1.0') (H231147-12)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 13 (1.0') (H231147-13)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 14 (1.0') (H231147-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 15 (1.0') (H231147-15)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 16 (1.0') (H231147-16)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 17 (1.0') (H231147-17)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 18 (1.0') (H231147-18)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 19 (1.0') (H231147-19)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 20 (1.0') (H231147-20)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.74	87.0	2.00	16.1	
Toluene*	<0.050	0.050	03/14/2023	ND	1.72	85.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.69	84.7	2.00	16.3	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	16.2	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	182	90.8	200	0.146	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	0.0606	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 21 (1.0') (H231147-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2	
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	177	88.3	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 22 (1.0') (H231147-22)**

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	03/14/2023	ND	1.75	87.5	2.00	21.2		
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6		
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0		
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0		
Total BTEX	<0.300	0.300	03/14/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19		
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15		
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND						

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 23 (1.0') (H231147-23)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2		
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6		
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0		
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0		
Total BTEX	<0.300	0.300	03/14/2023	ND						

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

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	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19		
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15		
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND						

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 24 (3.5') (H231147-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2	
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 25 (3.5') (H231147-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2	
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 26 (3.5') (H231147-26)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2		
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6		
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0		
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0		
Total BTEX	<0.300	0.300	03/14/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19		
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15		
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND						

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 27 (3.5') (H231147-27)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2	
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 28 (1.0') (H231147-28)**

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	03/14/2023	ND	1.75	87.5	2.00	21.2		
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6		
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0		
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0		
Total BTEX	<0.300	0.300	03/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19		
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15		
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND						

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 29 (1.0') (H231147-29)**

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	03/14/2023	ND	1.75	87.5	2.00	21.2	
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 30 (1.0') (H231147-30)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2	
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 31 (1.0') (H231147-31)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2	
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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>480</b>	16.0	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19	
<b>DRO &gt;C10-C28*</b>	<b>265</b>	10.0	03/14/2023	ND	187	93.7	200	1.15	
<b>EXT DRO &gt;C28-C36</b>	<b>42.2</b>	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 32 (1.0') (H231147-32)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2		
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6		
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0		
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0		
Total BTEX	<0.300	0.300	03/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19		
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15		
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND						

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 33 (1.0') (H231147-33)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2	
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 34 (1.0') (H231147-34)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2	
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 35 (1.0') (H231147-35)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2	
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 36 (1.0') (H231147-36)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2	
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 37 (1.0') (H231147-37)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2		
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6		
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0		
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0		
Total BTEX	<0.300	0.300	03/14/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19		
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15		
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND						

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 38 (1.0') (H231147-38)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2	
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 39 (5.5') (H231147-39)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2	
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-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	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 40 (5.5') (H231147-40)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/14/2023	ND	1.75	87.5	2.00	21.2		
Toluene*	<0.050	0.050	03/14/2023	ND	1.73	86.3	2.00	21.6		
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.67	83.4	2.00	22.0		
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.11	85.2	6.00	21.0		
Total BTEX	<0.300	0.300	03/14/2023	ND						

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

Chloride, SM4500Cl-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	03/14/2023	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	03/14/2023	ND	177	88.3	200	3.19		
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	187	93.7	200	1.15		
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND						

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 41 (5.5') (H231147-41)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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	03/14/2023	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	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 42 (5.5') (H231147-42)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

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>80.0</b>	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 43 (5.5') (H231147-43)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

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	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 44 (5.5') (H231147-44)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

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	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 45 (5.5') (H231147-45)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 46 (5.5') (H231147-46)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 47 (5.5') (H231147-47)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 48 (5.5') (H231147-48)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 49 (5.5') (H231147-49)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 50 (5.5') (H231147-50)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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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: 03/14/2023  
 Reported: 03/15/2023  
 Project Name: QUERECHO FEDERAL 2  
 Project Number: 1230  
 Project Location: EOG - LEA CO NM

Sampling Date: 03/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 51 (5.5') (H231147-51)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 52 (5.5') (H231147-52)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 53 (5.5') (H231147-53)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 54 (5.5') (H231147-54)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 55 (3.5') (H231147-55)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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**Analytical Results For:**

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

Received: 03/14/2023  
 Reported: 03/15/2023  
 Project Name: QUERECHO FEDERAL 2  
 Project Number: 1230  
 Project Location: EOG - LEA CO NM

Sampling Date: 03/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 56 (3.5') (H231147-56)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 57 (3.5') (H231147-57)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 58 (3.5') (H231147-58)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 59 (3.5') (H231147-59)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 60 (3.5') (H231147-60)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4		
Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2		
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7		
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8		
Total BTEX	<0.300	0.300	03/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

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	03/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67		
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	180	89.9	200	7.01		
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND						

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 61 (3.5') (H231147-61)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	03/14/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 62 (3.5') (H231147-62)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 63 (3.5') (H231147-63)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 64 (3.5') (H231147-64)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 69.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.7 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 65 (3.5') (H231147-65)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 66 (3.5') (H231147-66)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 67 (3.5') (H231147-67)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 68 (3.5') (H231147-68)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16		
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66		
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46		
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64		
Total BTEX	<0.300	0.300	03/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	03/14/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41		
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73		
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND						

Surrogate: 1-Chlorooctane 77.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 69 (3.5') (H231147-69)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 75.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 70 (3.5') (H231147-70)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16		
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66		
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46		
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64		
Total BTEX	<0.300	0.300	03/14/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	03/14/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41		
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73		
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 1 (1.0') (H231147-71)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 58.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.8 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 2 (1.0') (H231147-72)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 3 (1.0') (H231147-73)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 4 (2.5') (H231147-74)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 68.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.3 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 5 (3.5') (H231147-75)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 71.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.1 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 6 (3.5') (H231147-76)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 7 (3.5') (H231147-77)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 8 (3.5') (H231147-78)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 68.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.0 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 9 (1.0') (H231147-79)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 66.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.3 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 10 (1.0') (H231147-80)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.97	98.4	2.00	8.16	
Toluene*	<0.050	0.050	03/14/2023	ND	1.98	99.1	2.00	7.66	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.97	98.7	2.00	7.46	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.96	99.4	6.00	7.64	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	176	88.1	200	1.41	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.4	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 11 (1.0') (H231147-81)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/14/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 12 (1.0') (H231147-82)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 60.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.7 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 13 (1.0') (H231147-83)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 14 (4.5') (H231147-84)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 15 (1.0') (H231147-85)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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>608</b>	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
<b>DRO &gt;C10-C28*</b>	<b>249</b>	10.0	03/14/2023	ND	165	82.6	200	2.66	
<b>EXT DRO &gt;C28-C36</b>	<b>113</b>	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 16 (1.0') (H231147-86)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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>496</b>	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
<b>DRO &gt;C10-C28*</b>	<b>209</b>	10.0	03/14/2023	ND	165	82.6	200	2.66	
<b>EXT DRO &gt;C28-C36</b>	<b>105</b>	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 17 (1.0') (H231147-87)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 18 (1.0') (H231147-88)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 19 (4.5') (H231147-89)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 20 (5.5') (H231147-90)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 21 (2.0') (H231147-91)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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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:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 22 (5.5') (H231147-92)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 23 (5.5') (H231147-93)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-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	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 24 (3.5') (H231147-94)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

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	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 25 (3.5') (H231147-95)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 26 (3.5') (H231147-96)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 27 (3.5') (H231147-97)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9		
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2		
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7		
Total BTEX	<0.300	0.300	03/14/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630		
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66		
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND						

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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**Analytical Results For:**

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

Received:	03/14/2023	Sampling Date:	03/13/2023
Reported:	03/15/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 28 (3.5') (H231147-98)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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**Analytical Results For:**

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

Received: 03/14/2023  
 Reported: 03/15/2023  
 Project Name: QUERECHO FEDERAL 2  
 Project Number: 1230  
 Project Location: EOG - LEA CO NM

Sampling Date: 03/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 29 (3.5') (H231147-99)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.1	2.00	16.9	
Toluene*	<0.050	0.050	03/14/2023	ND	1.77	88.7	2.00	17.2	
Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.74	87.1	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.40	90.0	6.00	16.7	
Total BTEX	<0.300	0.300	03/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/14/2023	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	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager







# Chain of Custody

Work Order No: H231147

Page 4 of 10

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
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:	Todd_Wells@eogresources.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	
Reporting: Level 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:	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes			
	Project Number:	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Due Date:											None: NO	DI Water: H <sub>2</sub> O	
Querecho Federal 2	1230		24Hrs											Cool: Cool	MeOH: Me		
Project Location:	Lea County, New Mexico		24 Hours											HCL: HC	HNO <sub>3</sub> : HN		
Sampler's Name:	MPM													H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na		
PO #:														H <sub>3</sub> PO <sub>4</sub> : HP			
<b>SAMPLE RECEIPT</b>				Parameters											NaHSO <sub>4</sub> : NABIS		
Received Intact:	Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wet Ice: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		BTEX 8021B											Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Thermometer ID:	Correction Factor:		TPH 8015M (GRO + DRO + MRO)											Zn Acetate+NaOH: Zn	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	Corrected Temperature:		Chloride 4500											NaOH+Ascorbic Acid: SAPC	
Total Containers:															<b>Sample Comments</b>		
CS-31 (1.0')	3/13/2023			X		C	1	X	X	X							
CS-32 (1.0')	3/13/2023			X		C	1	X	X	X							
CS-33 (1.0')	3/13/2023			X		C	1	X	X	X							
CS-34 (1.0')	3/13/2023			X		C	1	X	X	X							
CS-35 (1.0')	3/13/2023			X		C	1	X	X	X							
CS-36 (1.0')	3/13/2023			X		C	1	X	X	X							
CS-37 (1.0')	3/13/2023			X		C	2	X	X	X							
CS-38 (1.0')	3/13/2023			X		C	3	X	X	X							
CS-39 (5.5')	3/13/2023			X		C	4	X	X	X							
CS-40 (5.5')	3/13/2023			X		C	5	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>	3/14/23 0819	<i>S Rodkiewicz</i>	



# Chain of Custody

Work Order No: 4231147

Page 6 of 10

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
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:	Todd.Wells@eogresources.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	
Reporting: Level 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:	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes							
	Project Number:	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Due Date:											None: NO	DI Water: H <sub>2</sub> O					
Querecho Federal 2	1230		24Hrs											Cool: Cool	MeOH: Me						
Project Location:	Lea County, New Mexico		24 Hours											HCL: HC	HNO <sub>3</sub> : HN						
Sampler's Name:	MPM													H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na						
PO #:														H <sub>3</sub> PO <sub>4</sub> : HP							
SAMPLE RECEIPT			Temp Blank:	Yes (No)	Wet Ice:	Yes (No)	Parameters											Sample Comments			
Received Intact:	Yes (No)	N/A	Thermometer ID:	113				BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500													
Cooler Custody Seals:	Yes (No)	N/A	Correction Factor:	-0.62																	
Sample Custody Seals:	Yes (No)	N/A	Temperature Reading:	-6.62																	
Total Containers:			Corrected Temperature:	-7.22																	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont															
CS-51 (5.5')	3/13/2023		X		C	1	X	X	X												
CS-52 (5.5')	3/13/2023		X		C	1	X	X	X												
CS-53 (5.5')	3/13/2023		X		C	1	X	X	X												
CS-54 (5.5')	3/13/2023		X		C	1	X	X	X												
CS-55 (3.5')	3/13/2023		X		C	1	X	X	X												
CS-56 (3.5')	3/13/2023		X		C	1	X	X	X												
CS-57 (3.5')	3/13/2023		X		C	2	X	X	X												
CS-58 (3.5')	3/13/2023		X		C	3	X	X	X												
CS-59 (3.5')	3/13/2023		X		C	4	X	X	X												
CS-60 (3.5')	3/13/2023		X		C	5	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>Sam Marley</i>	3/14/23 0819	<i>Conner Moehring</i>	





# Chain of Custody

Work Order No: H231147

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Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
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:	Todd_Wells@eogresources.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	
Reporting: Level 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:	Querecho Federal 2	Turn Around	
Project Number:	1230	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code
Project Location:	Lea County, New Mexico	Due Date:	24Hrs
Sampler's Name:	MPM	24 Hours	
PO #:			
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Thermometer ID:	113
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	-0.6i
Total Containers:		Temperature Reading:	-10.6i
		Corrected Temperature:	-7.2i

Parameters	ANALYSIS REQUEST									
	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500							
	X	X	X							
	X	X	X							
	X	X	X							
	X	X	X							
	X	X	X							
	X	X	X							
	X	X	X							
	X	X	X							
	X	X	X							
	X	X	X							
	X	X	X							

Preservative Codes	
None: NO	DI Water: H <sub>2</sub> O
Cool: Cool	MeOH: Me
HCL: HC	HNO <sub>3</sub> : HN
H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
H <sub>3</sub> PO <sub>4</sub> : HP	
NaHSO <sub>4</sub> : NABIS	
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													
SW-11 (1.0')	3/13/2023		X		C	1	X	X	X										
SW-12 (1.0')	3/13/2023		X		C	1	X	X	X										
SW-13 (1.0')	3/13/2023		X		C	1	X	X	X										
SW-14 (4.5')	3/13/2023		X		C	1	X	X	X										
SW-15 (1.0')	3/13/2023		X		C	1	X	X	X										
SW-16 (1.0')	3/13/2023		X		C	1	X	X	X										
SW-17 (1.0')	3/13/2023		X		C	1	X	X	X										
SW-18 (1.0')	3/13/2023		X		C	1	X	X	X										
SW-19 (4.5')	3/13/2023		X		C	1	X	X	X										
SW-20 (5.5')	3/13/2023		X		C	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>	3/14/23 0819	<i>Stodriguez</i>	

# Chain of Custody

Work Order No: H231147

Page 10 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
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:	Todd.Wells@eogresources.com

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	
Reporting:	Level 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:	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes								
	Project Number:	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Due Date:											None: NO	DI Water: H <sub>2</sub> O						
Querecho Federal 2	1230	<input checked="" type="checkbox"/> Rush	24Hrs											Cool: Cool	MeOH: Me							
Project Location:	Lea County, New Mexico		24 Hours											HCL: HC	HNO <sub>3</sub> : HN							
Sampler's Name:	MPM													H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na							
PO #:														H <sub>3</sub> PO <sub>4</sub> : HP								
SAMPLE RECEIPT			Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Parameters											Sample Comments				
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Thermometer ID:	113				BTEX 8021B														
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Correction Factor:	-0.6%					TPH 8015M (GRO + DRO + MIRO)													
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Temperature Reading:	-6.6%						Chloride 4500												
Total Containers:			Corrected Temperature:	-7.2%																		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																
SW-21 (2.0')	3/13/2023		X		C	1	X	X	X													
SW-22 (5.5')	3/13/2023		X		C	1	X	X	X													
SW-23 (5.5')	3/13/2023		X		C	1	X	X	X													
SW-24 (3.5')	3/13/2023		X		C	1	X	X	X													
SW-25 (3.5')	3/13/2023		X		C	1	X	X	X													
SW-26 (3.5')	3/13/2023		X		C	1	X	X	X													
SW-27 (3.5')	3/13/2023		X		C	1	X	X	X													
SW-28 (3.5')	3/13/2023		X		C	1	X	X	X													
SW-29 (3.5')							X	X	X													

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

\* sample was left off of c.o.c. customer requested to add it. *S. Rodriguez* 3/14/23

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	3/14/23 0819	<i>S. Rodriguez</i>	



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---

March 20, 2023

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

RE: QUERECHO FEDERAL 2

Enclosed are the results of analyses for samples received by the laboratory on 03/17/23 8:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/17/2023  
 Reported: 03/20/2023  
 Project Name: QUERECHO FEDERAL 2  
 Project Number: 1230  
 Project Location: EOG - LEA CO NM

Sampling Date: 03/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 26 ( 4' ) (H231221-01)**

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	03/17/2023	ND	2.11	106	2.00	4.61	
Toluene*	<0.050	0.050	03/17/2023	ND	2.18	109	2.00	5.66	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	6.29	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	6.42	
Total BTEX	<0.300	0.300	03/17/2023	ND					

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

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	03/20/2023	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	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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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:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 31 ( 1.5' ) (H231221-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2023	ND	2.11	106	2.00	4.61		
Toluene*	<0.050	0.050	03/17/2023	ND	2.18	109	2.00	5.66		
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	6.29		
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	6.42		
Total BTEX	<0.300	0.300	03/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

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	03/20/2023	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	03/17/2023	ND	234	117	200	29.5		
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9		
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND						

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

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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:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 49 ( 6' ) (H231221-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.11	106	2.00	4.61	
Toluene*	<0.050	0.050	03/17/2023	ND	2.18	109	2.00	5.66	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	6.29	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	6.42	
Total BTEX	<0.300	0.300	03/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

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	03/20/2023	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	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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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:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 54 ( 6' ) (H231221-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.11	106	2.00	4.61	
Toluene*	<0.050	0.050	03/17/2023	ND	2.18	109	2.00	5.66	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	6.29	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	6.42	
Total BTEX	<0.300	0.300	03/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

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	03/20/2023	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	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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**Analytical Results For:**

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

Received:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 55 ( 4' ) (H231221-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	03/20/2023	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	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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**Analytical Results For:**

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

Received: 03/17/2023  
 Reported: 03/20/2023  
 Project Name: QUERECHO FEDERAL 2  
 Project Number: 1230  
 Project Location: EOG - LEA CO NM

Sampling Date: 03/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 59 ( 4' ) (H231221-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	03/20/2023	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	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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: 03/17/2023  
 Reported: 03/20/2023  
 Project Name: QUERECHO FEDERAL 2  
 Project Number: 1230  
 Project Location: EOG - LEA CO NM

Sampling Date: 03/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 61 ( 4' ) (H231221-07)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88		
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07		
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96		
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13		
Total BTEX	<0.300	0.300	03/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	03/20/2023	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	03/17/2023	ND	234	117	200	29.5		
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9		
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND						

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

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

Received: 03/17/2023  
 Reported: 03/20/2023  
 Project Name: QUERECHO FEDERAL 2  
 Project Number: 1230  
 Project Location: EOG - LEA CO NM

Sampling Date: 03/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 62 ( 4' ) (H231221-08)**

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	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/20/2023	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	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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**Analytical Results For:**

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

Received:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 63 ( 4' ) (H231221-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	03/20/2023	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	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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**Analytical Results For:**

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

Received:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 64 ( 4' ) (H231221-10)**

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	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/20/2023	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	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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**Analytical Results For:**

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

Received:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 65 ( 4' ) (H231221-11)**

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	03/17/2023	ND	2.05	103	2.00	1.88		
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07		
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96		
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13		
Total BTEX	<0.300	0.300	03/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/20/2023	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	03/17/2023	ND	234	117	200	29.5		
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9		
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND						

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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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:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 66 ( 4' ) (H231221-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	03/20/2023	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	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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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:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 67 ( 4' ) (H231221-13)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

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

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	03/20/2023	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	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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**Analytical Results For:**

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

Received: 03/17/2023  
 Reported: 03/20/2023  
 Project Name: QUERECHO FEDERAL 2  
 Project Number: 1230  
 Project Location: EOG - LEA CO NM

Sampling Date: 03/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 68 ( 4' ) (H231221-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	03/20/2023	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	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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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:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 69 ( 4' ) (H231221-15)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/20/2023	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	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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**Analytical Results For:**

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

Received:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: CS - 70 ( 4' ) (H231221-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/20/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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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:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 15 ( 1' ) (H231221-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/20/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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**Analytical Results For:**

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

Received:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 16 ( 1' ) (H231221-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

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	03/20/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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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:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 24 ( 3.5-4' ) (H231221-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

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	03/20/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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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:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 25 ( 4' ) (H231221-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/20/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2023	ND	234	117	200	29.5	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	226	113	200	28.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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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:	03/17/2023	Sampling Date:	03/16/2023
Reported:	03/20/2023	Sampling Type:	Soil
Project Name:	QUERECHO FEDERAL 2	Sampling Condition:	Cool & Intact
Project Number:	1230	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SW - 26 ( 4' ) (H231221-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/20/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2023	ND	178	89.1	200	3.94	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	169	84.6	200	0.482	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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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: 03/17/2023  
 Reported: 03/20/2023  
 Project Name: QUERECHO FEDERAL 2  
 Project Number: 1230  
 Project Location: EOG - LEA CO NM

Sampling Date: 03/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 27 ( 4' ) (H231221-22)**

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	03/17/2023	ND	2.05	103	2.00	1.88	
Toluene*	<0.050	0.050	03/17/2023	ND	2.06	103	2.00	1.07	
Ethylbenzene*	<0.050	0.050	03/17/2023	ND	2.14	107	2.00	1.96	
Total Xylenes*	<0.150	0.150	03/17/2023	ND	6.62	110	6.00	2.13	
Total BTEX	<0.300	0.300	03/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/20/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2023	ND	178	89.1	200	3.94	
DRO >C10-C28*	<10.0	10.0	03/17/2023	ND	169	84.6	200	0.482	
EXT DRO >C28-C36	<10.0	10.0	03/17/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
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: H231221

Page 1 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
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:	Todd_Wells@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 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:	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
	Project Number:	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Due Date:													None: NO	DI Water: H <sub>2</sub> O			
Querecho Federal 2	1230															Cool: Cool	MeOH: Me				
Lea County, New Mexico			24 Hours													HCL: HC	HNO <sub>3</sub> : HN				
MM																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na				
MM																H <sub>3</sub> PO <sub>4</sub> : HP					
Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:													NaHSO <sub>4</sub> : NABIS					
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113													Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>					
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6													Zn Acetate+NaOH: Zn					
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.7													NaOH+Ascorbic Acid: SAPC					
Total Containers:		Corrected Temperature:	-6.3													Sample Comments					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont															
CS-26 (4')	3/16/2023		X		C	1	X	X	X												
CS-31 (1.5')	3/16/2023		X		C	1	X	X	X												
CS-49 (6')	3/16/2023		X		C	1	X	X	X												
CS-54 (6')	3/16/2023		X		C	1	X	X	X												
CS-55 (4')	3/16/2023		X		C	1	X	X	X												
CS-59 (4')	3/16/2023		X		C	1	X	X	X												
CS-61 (4')	3/16/2023		X		C	1	X	X	X												
CS-62 (4')	3/16/2023		X		C	1	X	X	X												
CS-63 (4')	3/16/2023		X		C	1	X	X	X												
CS-64 (4')	3/16/2023		X		C	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>	3-17-23 0810	<i>Samara Eldredge</i>	

# Chain of Custody

Work Order No: H231221

Page 2 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
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:	Todd_Wells@eogresources.com

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	
Reporting:	Level 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:	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes							
	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date:	24 Hours											None: NO	DI Water: H <sub>2</sub> O				
Querecho Federal 2																	Cool: Cool	MeOH: Me			
Project Number: 1230																	HCL: HC	HNO <sub>3</sub> : HN			
Project Location: Lea County, New Mexico																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na			
Sampler's Name: MM				Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500										H <sub>3</sub> PO <sub>4</sub> : HP				
PO #:																				NaHSO <sub>4</sub> : NABIS	
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113																	Zn Acetate+NaOH: Zn	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.60																	NaOH+Ascorbic Acid: SAPC	
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.70																		
Total Containers:		Corrected Temperature:	-6.30																		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments				
CS-65 (4')	3/16/2023		X		C	1	X	X	X												
CS-66 (4')	3/16/2023		X		C	1	X	X	X												
CS-67 (4')	3/16/2023		X		C	1	X	X	X												
CS-68 (4')	3/16/2023		X		C	1	X	X	X												
CS-69 (4')	3/16/2023		X		C	1	X	X	X												
CS-70 (4')	3/16/2023		X		C	1	X	X	X												
SW-15 (1')	3/16/2023		X		C	1	X	X	X												
SW-16 (1')	3/16/2023		X		C	1	X	X	X												
SW-24 (3.5-4')	3/16/2023		X		C	1	X	X	X												
SW-25 (4')	3/16/2023		X		C	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
	3-17-23 0810		



**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
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**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 213071

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 213071
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
nvez	None	7/24/2023