



#### SITE INFORMATION

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

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



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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

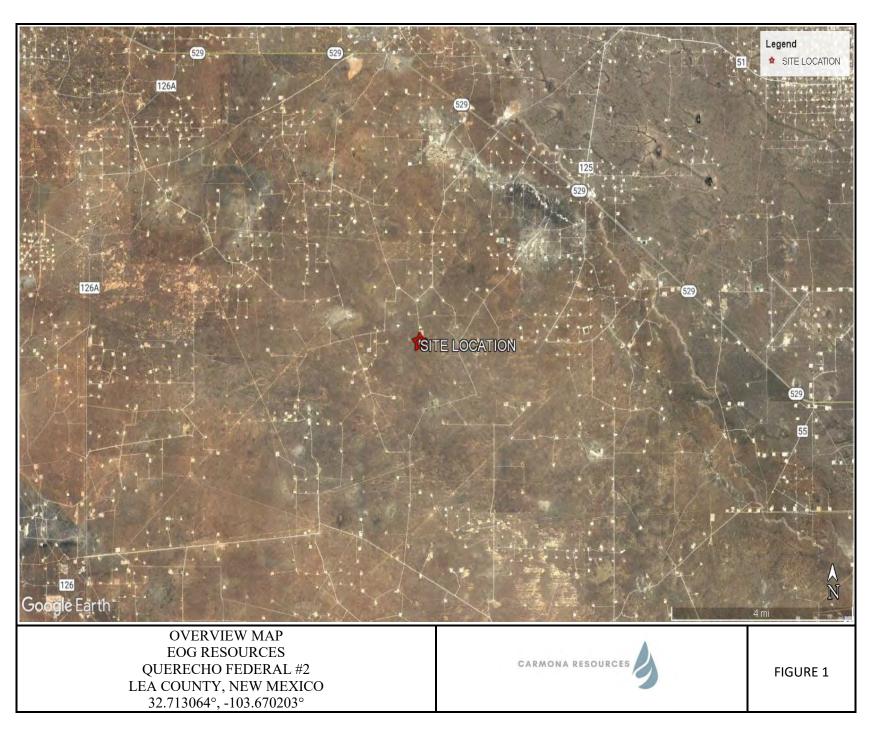
Environmental Manager

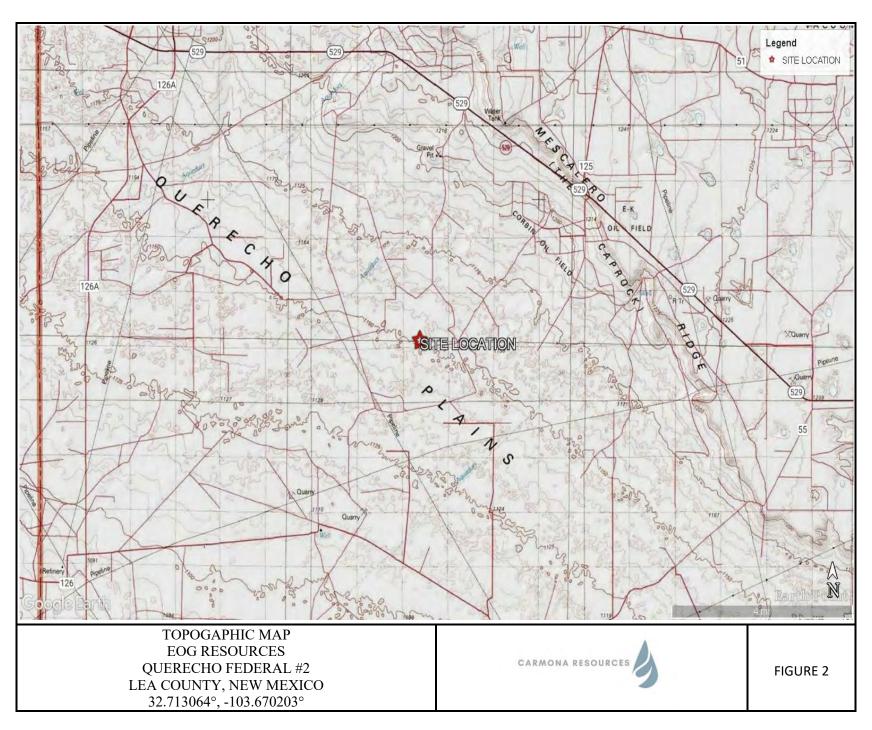
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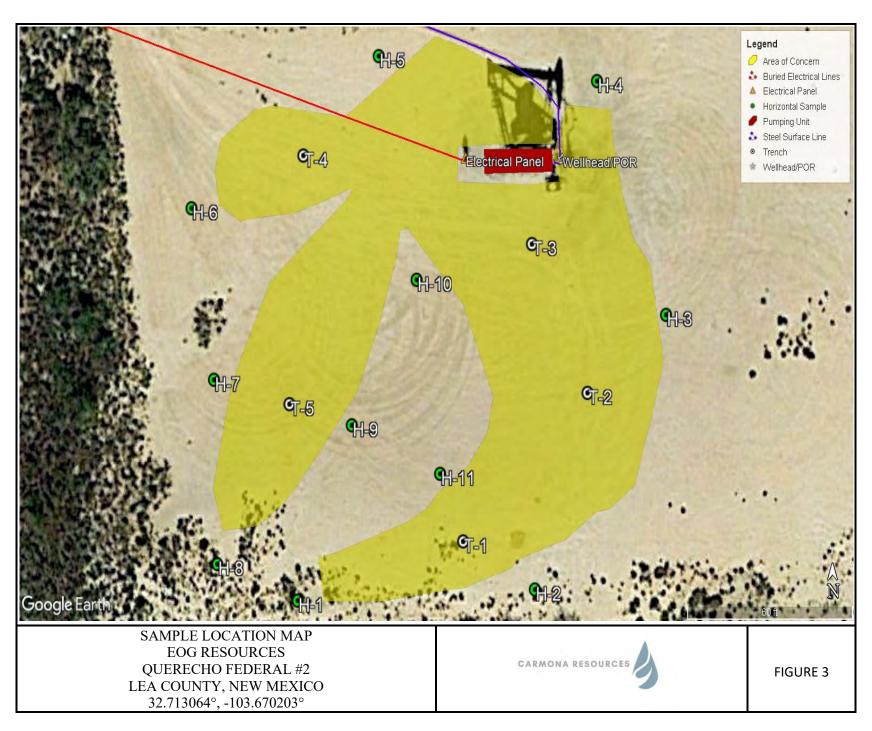
Sr. Project Manager

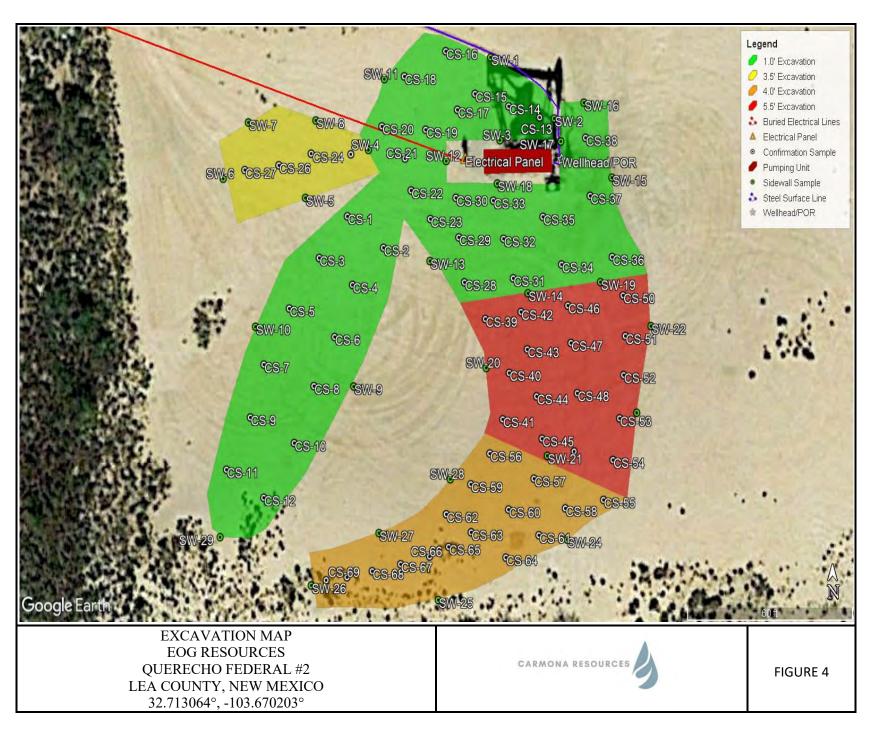
### **FIGURES**

# CARMONA RESOURCES









### **APPENDIX A**

# CARMONA RESOURCES

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

Commis ID	Doto	Donath (ft)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	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
T-1	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	688
'-'	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	704
	"	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
	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
T 0	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,360
T-2	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,000
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,200
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	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
<b>T</b> 0	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
T-3	"	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
	2/8/2023	0-1	<10.0	17.1	<10.0	17.1	<0.050	<0.050	<0.050	<0.150	<0.300	944
	"	1	<10.0	17.1	<10.0	17.1	<0.050	<0.050	<0.050	<0.150	<0.300	1,140
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	832
T-4	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	944
	"	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
	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
T-5	"	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
Regulato	Regulatory Criteria A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
	(-) Not Analyzed											

(-) Not Analyzeu

A - Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(T) - Trench

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

Sample ID	Date Depth (ft)		TPH	l (mg/kg)		Benzene Toluene		Ethlybenzene	Xylene	Total BTEX	Chloride	
	20.00	2 3 p (13)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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
	ry Criteria A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

A – 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)		ТРН	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
		2 <b>3 p</b> ()	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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
	ry Criteria A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH- Total Petroleum Hydrocarbons ft-feet (CS) Confirmation Smaple

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

Commis ID	Dete	Donath (64)		ТРН	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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
00 20	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
	ry Criteria A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

<sup>A</sup> – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(CS) Confirmation Smaple

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

Sample ID	Date	Depth (ft)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample 15	Date	Deptii (it)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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
00-43	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
Pi-	ry Criteria <sup>A</sup> Analyzed					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH- Total Petroleum Hydrocarbons ft-feet (CS) Confirmation Smaple Removed

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

Sample ID	Date	Depth (ft)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample 10	Date	Deptii (it)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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
C3-01	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
C3-02	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
CS-03	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
C3-04	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
C3-03	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
CS-66	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
C3-07	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
00-00	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
C3-09	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
C3-70	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
	ry Criteria <sup>A</sup>					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
(-) Not	Analyzed							<u> </u>				

<sup>A</sup> – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH- Total Petroleum Hydrocarbons ft-feet

(CS) Confirmation Smaple (SW) Sidewall Sample

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

Sample ID	Date	Depth (ft)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample 15	Date	Deptii (it)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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
OW-13	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
	ry Criteria A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH- Total Petroleum Hydrocarbons ft-feet (SW) Sidewall Sample

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

0 1 15	2.	D (1 (6)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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
377-24	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
3W-23	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
311-20	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
3W-27	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
Regulatory Criteria A				100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg		

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH- Total Petroleum Hydrocarbons ft-feet (SW) Sidewall Sample

### **APPENDIX B**

# CARMONA RESOURCES

#### PHOTOGRAPHIC LOG

#### **EOG Resources**

#### Photograph No. 1

Facility: 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

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

Incident ID	nAPP2306044595
District RP	
Facility ID	
Application ID	

#### **Release Notification**

#### **Responsible Party**

Responsible	Party EOG	Resources		OGRID 7377							
Contact Nan	ne Todd We	ells			Contact Telephone (432) 686-3613						
Contact ema	il Todd_We	ells@eogresource	s.com		Incident #	assigned by OCD) nAPP	2306044595				
Contact mail 79706	ling address	5509 Champions	s Drive Midland,	TX							
			Location	n of Re	elease So	ource					
Latitude 32.7	713064°		(NAD 83 in a		Longitude <u>-</u> rees to 5 decim	103.670203° al places)					
Site Name Q	uerecho Fed	1 #2			Site Type	Well Pad					
Date Release	Discovered	1/25/23			API# (if app	(icable) 30-025-30485					
Unit Letter	Section	Township	Range		Coun	ty					
N	28	18S	33E	Lea							
						ustification for the volume					
Crude Oi		Volume Releas				Volume Recovered (					
Produced	Water	Volume Releas	ed (bbls) 4			Volume Recovered (	(bbls) 3				
		Is the concentrate produced water	ation of dissolved >10,000 mg/l?	l chloride	in the	⊠ Yes □ No					
Condensa	ate	Volume Releas	ed (bbls)			Volume Recovered (	(bbls)				
Natural C	Gas	Volume Releas	ed (Mcf)			Volume Recovered (	(Mcf)				
Other (de	escribe)	Volume/Weigh	t Released (provi	ide units)		Volume/Weight Rec	covered (provide units)				
revised. A fi	rac job at a n	earby well cause	d the well to press	sure up at	the wellhea		ssessment the volume was on the stuffing box to blow out. bbls recovered.				

Received by OCD: 5/3/2023 9256:55 AM State of New Mexico
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Incident ID	NAPP2306044595
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
☐ Yes ⊠ No	
If YES, was immediate no	otice 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
The source of the rele	ease has been stopped.
☐ The impacted area ha	s been secured to protect human health and the environment.
Released materials ha	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain why:
Per 10 15 20 8 R (A) NIM	AC 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 at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and
public health or the environr	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: <u>Todd W</u>	<u>Vells</u> Title: <u>Environmental Specialist</u>
Signature: Todd	<i>Wells</i> Date: <u>3-1-23</u>
email: <u>Todd_Wells</u>	<u>@eogresources.com</u> Telephone: <u>(432) 686-3613</u>
OCD Only	
Received by:Joce	lyn Harimon Date: 03/01/2023

Received by OCD: 5/3/2023 9:56:55 AM State of New Mexico
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Incident ID	
District RP	
Facility ID	
Application ID	

#### **Site Assessment/Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)					
Did this release impact groundwater or surface water?						
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No					
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No					
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No					
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No					
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No					
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No					
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No					
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No					
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No					
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No					
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ☐ No					
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.						
Characterization Report Checklist: Each of the following items must be included in the report.						
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well 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	ls.					

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

Received by OCD: 5/3/2023 9:56:55 AM State of New Mexico
Page 4 Oil Conservation Division

	Page 28 of 227
ncident ID	
District RP	
Facility ID	

Application ID

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ocd does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
Printed Name:	
Signature: Todd Wells	Date: <u>5/3/23</u>
email:	Telephone:
OCD Only	
Received by:	Date:05/03/2023

Received by OCD: 5/3/2023 9:56:55 AM State of New Mexico
Page 6 Oil Conservation Division

	Page 29 of 227
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 19.15.29.1	1 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 ODG	Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)							
☐ Description of remediation activities								
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in							
Printed Name:	_ Title:							
Signature: Todd Wells	Date:5/3/23							
email:	Telephone:							
OCD Only								
Received by: Jocelyn Harimon	Date:05/03/2023							
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible 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 http://www.emnrd.nm.gov



From: Mike Carmona < Mcarmona@carmonaresources.com >

Sent: Thursday, March 9, 2023 12:55 PM

To: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov>

**Cc:** Conner Moehring < Cmoehring@carmonaresources.com>; Todd Wells

<todd\_wells@eogresources.com>; Miranda Milwee < 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.

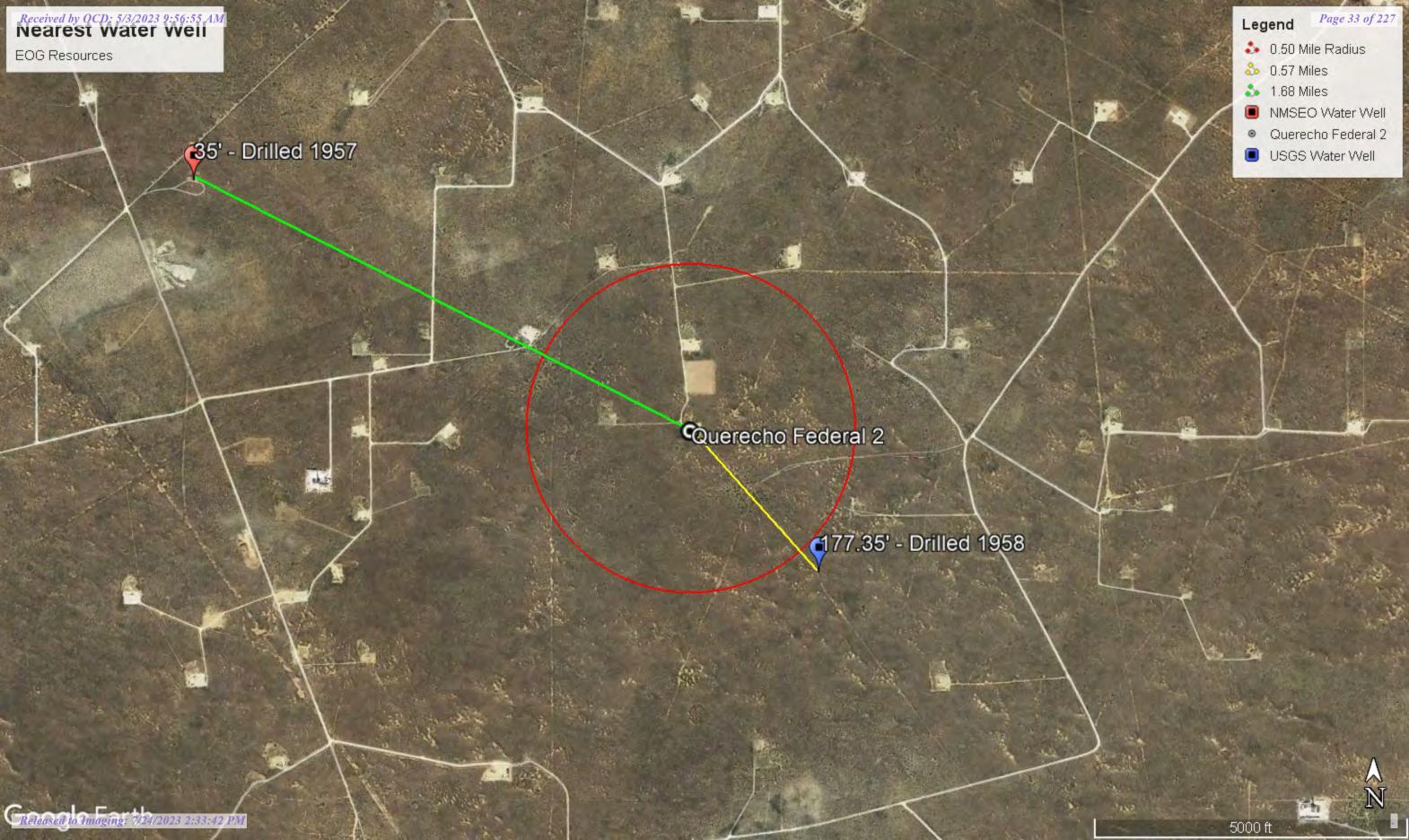
Site Name – Querecho Fed #2 Incident ID - nAPP2306044595

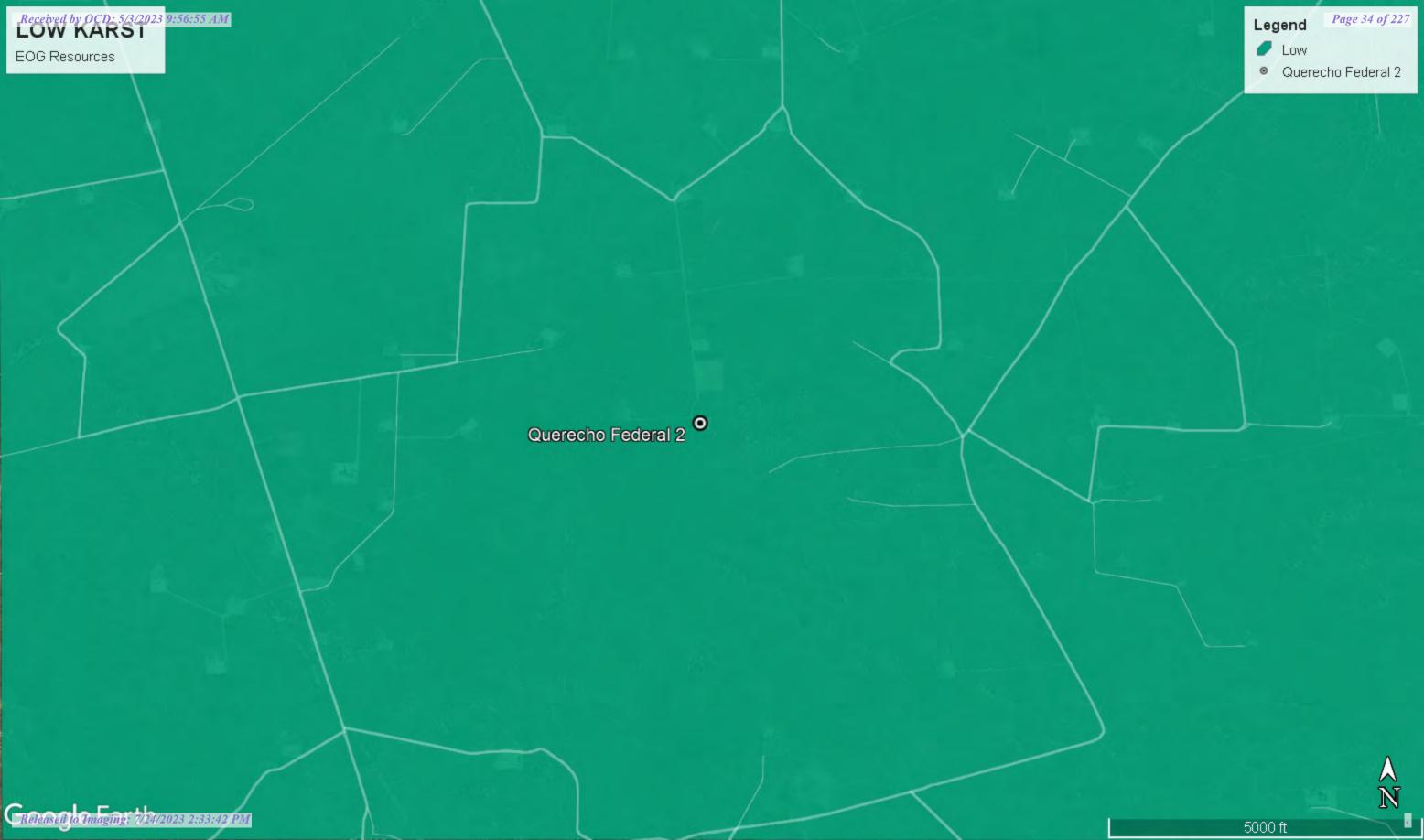
Mike J. Carmona 310 West Wall Street, Suite 500 Midland TX, 79701 M: 432-813-1992 Mcarmona@carmonaresources.com



### **APPENDIX D**

# CARMONA RESOURCES







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

(NAD83 UTM in meters)

(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)

(In feet)

,	POD											•	
	Sub-		Q	Q Q	)						Depth	Depth	Water
POD Number	Code basin	County	64 1	16 4	Sec	Tws	Rng	X	Υ	Distance	Well	Water 0	Column
CP 00813 POD1	CP	LE		1	33	18S	33E	624441	3619644* 🌑	627	300		
CP 01857 POD1	СР	LE	3	4 4	32	18S	33E	623693	3618622 🌍	1871			
CP 00809 POD1	СР	LE		2 1	05	19S	33E	623048	3618206* 🌍	2578	300		
L 03454	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.

Page 1 of 1

2/9/23 12:43 PM



**USGS Home Contact USGS** Search USGS

**National Water Information System: Web Interface** 

**USGS** Water Resources

Groundwater New Mexico **✓** GO

Click forNews Bulletins

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 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**

Table of dat	<u>ta</u>									
Tab-separa	ted data									
Graph of da	ata .									
Reselect pe	eriod									
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
1958-12-0		D	62610		3590.05	NGVD29	1		Z	
1958-12-0	19	D	62611		3591.65	NAVD88	1		Z	
1958-12-0	19	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
Data Tips
Explanation of terms
Subscribe for system changes

<u>News</u>

Accessibility FOIA

Privacy

Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey.

Title: Groundwater for New Mexico: Water Levels

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

Page Contact Information: New Mexico Water Data Maintainer

Page Last Modified: 2023-02-09 14:49:39 EST

0.49 0.37 nadww01

USA.gov



# New Mexico Office of the State Engineer

# **Point of Diversion Summary**

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

X

L 03454 30 18S 33E 3621422\*

**Driller License:** 99 **Driller Company:** O.R. MUSSELWHITE WATER WELL SE

**Driller Name:** MUSSELWHITE, O.R.

6.63

04/17/1957

**Drill Start Date:** 03/29/1957 **Drill Finish Date:** 03/30/1957 **Plug Date:** 

Shallow

Log File Date:

**PCW Rcv Date:** 

Source:

**Pump Type:** 

Pipe Discharge Size:

**Estimated Yield:** 

**Casing Size:** 

Depth Well:

100 feet

Depth Water:

35 feet

Water Bearing Stratifications:

**Top Bottom Description** 

70

97 Sandstone/Gravel/Conglomerate

**Casing Perforations:** 

Top **Bottom** 

100 75

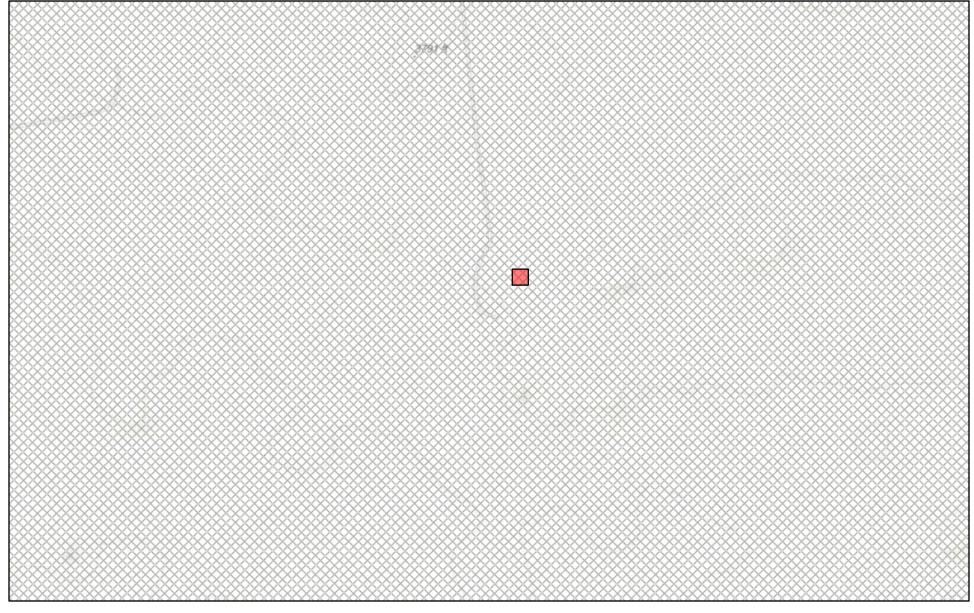
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/9/23 1:06 PM

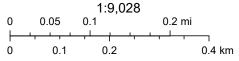
POINT OF DIVERSION SUMMARY

<sup>\*</sup>UTM location was derived from PLSS - see Help

# 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,

# **APPENDIX E**

# CARMONA RESOURCES



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
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	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Applyand By 1H /

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	18						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celeg & Freene



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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 9	% 71.5-13	4						
Chloride, SM4500CI-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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Celeg D. Freene



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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 9	% 71.5-13	4						
Chloride, SM4500CI-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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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 9	71.5-13	4						
Chloride, SM4500CI-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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	ND	211	105	200	3.03	
DRO >C10-C28*	17.7	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

mg/kg

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B

DIEX GOZID	11197	ng .	Alldiyzo	a by. 5117					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Analyzed By: JH/

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

mg/kg

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B

DILX GOZID	iiig/	, kg	Alldiyzo	.u Dy. 3117					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.7	% 49.1-14	8						

Analyzed By: JH/

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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 Reported: 02/13/2023

QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

Project Name:

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.2	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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 9	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130 9	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	141 9	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142 9	% 49.1-14	8						

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Celeg D. Freene



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

ma/ka

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

Analyzed By: 1H /

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Celey D. Keens



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128 9	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	143	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	ND	226	113	200	8.08	
DRO >C10-C28*	17.1	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	144	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	02/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	ND	226	113	200	8.08	
DRO >C10-C28*	17.1	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 %	48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

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Celeg D. Freene



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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Celeg D. Freene



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

ma/ka

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.050 <0.150 <0.300	Reporting Limit  0.050  0.050  0.050  0.150  0.300	Analyzed 02/10/2023 02/10/2023 02/10/2023 02/10/2023 02/10/2023	Method Blank  ND  ND  ND  ND  ND  ND  ND	BS 2.04 2.02 1.97 5.98	% Recovery 102 101 98.5 99.7	True Value QC 2.00 2.00 2.00 6.00	1.81 1.60 1.78 2.21	Qualifier
<0.050 <0.050 <0.150 <0.300	0.050 0.050 0.150 0.300	02/10/2023 02/10/2023 02/10/2023 02/10/2023	ND ND ND	2.02 1.97	101 98.5	2.00 2.00	1.60 1.78	
<0.050 <0.150 <0.300	0.050 0.150 0.300	02/10/2023 02/10/2023 02/10/2023	ND ND	1.97	98.5	2.00	1.78	
<0.150 <0.300	0.150 0.300	02/10/2023	ND					
<0.300	0.300	02/10/2023		5.98	99.7	6.00	2.21	
			ND					
102	% 71.5-13							
		4						
mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
48.0	16.0	02/10/2023	ND	416	104	400	3.77	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/09/2023	ND	182	91.1	200	5.32	
<10.0	10.0	02/09/2023	ND	164	81.9	200	9.72	
<10.0	10.0	02/09/2023	ND					
108	% 48.2-13	4						
120	% 49.1-14	8						
	Result 48.0 mg/ Result <10.0 <10.0 <10.0	mg/kg       Result   Reporting Limit       48.0   16.0   mg/kg       Result   Reporting Limit       <10.0   10.0   10.0	Result       Reporting Limit       Analyzed         48.0       16.0       02/10/2023         mg/kg       Analyzed         Result       Reporting Limit       Analyzed         <10.0	mg/s       Analyzed Method Blank         Result       Reporting Limit       Analyzed       Method Blank         48.0       16.0       02/10/2023       ND         mg/s       Analyzed Method Blank         <10.0	mg/ky         Analyzed By: AC           Result         Reporting Limit         Analyzed         Method Blank         BS           48.0         16.0         02/10/2023         ND         416           mg/ky         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS           <10.0	mg/ky       Analyzed By: AC         Result       Reporting Limit       Analyzed       Method Blank       BS       % Recovery         48.0       16.0       02/10/2023       ND       416       104         mg/ky       Analyzed By: MS         Result       Reporting Limit       Analyzed       Method Blank       BS       % Recovery         <10.0	mg/ky         Analyzed By: AC           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           48.0         16.0         02/10/2023         ND         416         104         400           mg/ky         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           <10.0	mg/ky         Analyzed By: AC           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           48.0         16.0         02/10/2023         ND         416         104         400         3.77           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           <10.0

Applyzod By: 14

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Celeg D. Freene



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

### 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	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*	21.1	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128 9	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### 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	% 71.5-13	4						
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*	24.8	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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Celey D. Keene

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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### 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	% 71.5-13	4						
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	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### 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 5	% 71.5-13	4						
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	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### 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 5	% 71.5-13	4						
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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### 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	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	137	% 49.1-14	8						

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Celeg & Freene



# Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

QUERECHO FEDERAL 2

Project Name: Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### 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 9	% 71.5-13	4						
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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	le, SM4500Cl-B mg/kg		Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	de, SM4500Cl-B mg/kg		Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

Analyzed By: 1H /

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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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 Reported: 02/13/2023

QUERECHO FEDERAL 2

Project Number: 1230

Project Name:

Project Location: EOG - LEA CO NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	ride, SM4500Cl-B mg		Analyze	d 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*	29.2	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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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 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

# Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2023	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	'8						

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Celey & Keene



#### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

Project Name: QUERECHO FEDERAL 2

Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	ND	182	91.1	200	5.32	
DRO >C10-C28*			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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

Analyzed By: 1H /

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Celeg & Frence



#### **Notes and Definitions**

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

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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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 whistoever 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

# **Chain of Custody**

Work Order No: <u>#330503</u> -	age 44 of 48	
	ا م	ı

Project Manager:	Conner Moel	hring			Bill to: (if	different)		Todd	Wells									Worl	k Ord	ler Co	omments																						
Company Name:	Carmona Re	sources			Compan	y Name:		EOG	Resou	irces					Progra	am: US	ST/PS	T PRP	Dr.	ownf	ields 📑	RC [	perfund																				
ddress:	310 W Wall 8	St Ste 415			Address			5509 Champions Dr Midland, Tx 79706							State	of Proj	ect:																										
City, State ZIP:	Midland, TX	79701			City, Sta	te ZIP:		Midla	nd, Tx	79706					Report	ing:Le	vel II [	Level	III 🗆	ST/U	IST R	RP [	Level IV																				
Phone:	432-813-682	3		Emai	il: Todd V	Vells@ed	ogresou	rces.c	om						Delive	ables:	EDD		AD	DaPT	□ o	ther:																					
roject Name:		Querecho Feder	ral 2		n Around							ANAI	LYSIS	REQU	JEST			حلاللت		N	Pres	ervative	Codes																				
roject Number:		1230		Routine	✓ Rus	5	Pres. Code									İ				1	None: NO	D	Water: H																				
roject Location	Lea	a County, New I	Mexico	Due Date:	72 F	lours															Cool: Cool	M	leOH: Me																				
ampler's Name:	Carmona Resource   310 W Wall St Ste     ZIP:   Midland, TX 7970:     432-813-6823     ne:   Quere     nber:       ation   Lea Coulons     land   Lea Coulons     ation   Le	CCM							180											F	HCL: HC	н	NO <sub>3</sub> : HN																				
0#:	Name:   Carmona Res   Si							Yes No		Yes No																		1	+											F	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	N	aOH: Na
AMPLE RECEI	PT T	emp Blank:	Yes No	Wet Ice:			nete	ē.	DRG	200			1							F	H <sub>3</sub> PO <sub>4</sub> : HP																						
eceived Intact:		Yes No	Thermometer II	D: /	1/3	3	aran	802	o o	de 4										1	NaHSO4: N	ABIS																					
poler Custody Seals			Correction Fact	or	-0		0	BTEX 8021B	GB	Chloride 4500										1	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : N	aSO <sub>3</sub>																					
ample Custody Sea	ls: Yes	s No N/A	Temperature Re			96		m	5M	5										2	In Acetate	NaOH:	Zn																				
otal Containers:			Corrected Temp	perature:	4	3:			TPH 8015M ( GRO + DRO + MRO)											h	NaOH+Asc	orbic Ac	id: SAPC																				
Sample Iden	tification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		₽.												Sam	ole Cor	nments																				
T-1 (0	-1')	2/8/2023		X		Grab/	1	Х	X	Х		1							+																								
T-1 (	1')	2/8/2023		Х		Grab/	1	Х	Х	Х									$\neg$																								
T-1 (2	2')	2/8/2023		X		Grab/	1	Х	Х	Х																																	
T-1 (	3')	2/8/2023		X		Grab/	1	Х	Х	Х									$\top$																								
T-1 (4	4')	2/8/2023		Х		Grab/	1	Х	Х	Х										$\neg$																							
T-1 (	5')	2/8/2023		X		Grab/	1	Х	Х	Х								$\neg$	$\top$	$\neg$																							
T-2 (0	-1')	2/8/2023		X		Grab/	1	Х	Х	Х								$\neg$	$\neg$	$\neg$																							
T-2 (	1')	2/8/2023		Х		Grab/	1	Х	Х	Х									$\top$	1																							
T-2 (2	2')	2/8/2023		X		Grab/	1	X	Х	Х									$\top$	1																							
T-2 (	3')	2/8/2023		Х		Grab/	1	Х	Х	Х									$\top$	$\neg$																							
omments: Email	to Mike Carr	mona / Mcarmo	ona@carmona	resources.com	n and Co	nner Mo	ehring	/ Cmo	ehrin	g@car	rmonares	ources	s.com																														
		Relinquished I	by: (Signature)					Date/	Time			1		Recei	ved by	r: (Sig	nature	e)				Dat	te/Time																				
Brown							2-8-	23	14	10	~	au	are	24	100	al	H	R																									
																					-																						

T-4 (0-1')

T-4 (1')

2/8/2023

2/8/2023

Work Order No: <u>#183056</u> 3	5 of 4
	Page 4
D 0 1 1	

					_			_												Page2	2 of 5
Project Manager:	Conner Moe	ehring			Bill to: (if	f different)		Todd	Wells									Wor	k Order	Comments	
Company Name:	Carmona R	esources			Compar	ny Name:		EOG	Resou	rces					Prog	ram: U	ST/PS			wnfields :RC	perfund [
Address:	310 W Wall	St Ste 415			Address	:		5509	Cham	pions D	)r					of Pro			По	mineras Line	
City, State ZIP:	Midland, TX	79701			City, Sta	ite ZIP:		Midla	nd. Tx	79706					Repo	orting:Le	vel II	Level	III 🖺s	T/UST TRRP	Level IV
Phone:	432-813-68	23		Ema	il: Todd V	Vells@e	ogresou	rces.c	om							erables		_		PT Other	
Project Name:		Querecho Fede	eral 2	Tur	n Around							Al	NALY	SIS REC	QUEST					Preserva	ative Codes
Project Number:		1230		Routine	✓ Rus	sh	Pres. Code				I	T	T							None: NO	DI Water: H <sub>2</sub> O
Project Location	Le	a County, New	Mexico	Due Date:	72 H	Hours												$\neg$		Cool: Cool	MeOH: Me
Sampler's Name:		CCM						1	MRO)										- 1	HCL: HC	HNO <sub>3</sub> : HN
PO #:							go	1	+		1 1					1 1				H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEI	PT	Temp Blank:	Yes No	Wet Ice:	Yes	No	ete	m	DRO	4500										H <sub>3</sub> PO <sub>4</sub> : HP	110011.110
Received Intact:		Yes No Thermometer ID: Yes No N/A Correction Factor			11	3	E	8021B	+	6 45										NaHSO <sub>4</sub> : NABI	e
Cooler Custody Seals	Ye					6°	Pa	X	GRO	Chloride										Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO	
Sample Custody Seal	s: Ye	s No NA	Temperature R	eading:	4	9è		E	_	등										Zn Acetate+Na	
Total Containers:			Corrected Tem	perature:	4.	3c		1	8015M											NaOH+Ascorbi	
Sample Ident	tification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH											Sample	Comments
T-2 (4	l')	2/8/2023		X		Grab/	1	Х	Х	Х		_	$\neg$				$\neg$	+	_		
T-2 (5	5')	2/8/2023		X		Grab/	1	Х	Х	Х		$\neg$		$\neg$			$\neg$		+		
T-3 (0-	1')	2/8/2023		X		Grab/	1	Х	Х	Х			$\rightarrow$				$\neg$		+		
T-3 (1	)	2/8/2023	-	X		Grab/	1	Х	Х	Х		$\rightarrow$					$\dashv$	$\overline{}$	+		
T-3 (2	(')	2/8/2023		X		Grab/	1	Х	Х	Х		$\rightarrow$	$\top$		+		$\rightarrow$	+	+	1	
T-3 (3	(')	2/8/2023		Х		Grab/	1	Х	Х	Х		7	$\rightarrow$						+		
T-3 (4	")	2/8/2023		Х		Grab/	1	х	Х	Х		+	$\rightarrow$		1		-	_	+	1	
T-3 (5	27	2/0/2022		V		O	-	· ·				-	_	_	-		$\rightarrow$	$\rightarrow$	-		

X

ments: Email to Mike	2/8/2023	X	Grab/	1	X	Х	X										
iments. Email to Mike	Carmona / Mcarmona@carm	onaresources.com and Co	nner Mo	ehring	/ Cmo	ehrin	g@cai	rmona	aresou	rces.c	om						
	Relinquished by: (Signatu	ral			D-4-0	Plant I			N.								
	remiquished by, (Signate	(6)			Date/	000					R	eceived	by: (Sig	gnature	e)		Date
Cons				2-8	1-23	14	100		Mell	100	11/1	das	BR				
							0				de		1				

Х X

Х

X

Grab/

Grab/

X

Project Manager:

Company Name:

City, State ZIP:

Address:

Phone:

Conner Moehring

Midland, TX 79701

432-813-6823

Carmona Resources

310 W Wall St Ste 415

# **Chain of Custody**

Todd Wells

**EOG Resources** 

5509 Champions Dr

ANALYSIS REQUEST

Midland, Tx 79706

Bill to: (if different)

Company Name:

City, State ZIP:

Email: Todd Wells@eogresources.com

Address:

Work Order No: #330563	of 48	
	46	
	age	

	Pa	ge:	3 of _	<b>-</b>  -  -
Work	Order Comm	ents		
Program: UST/PST PRP	rownfields	□ RC	perf	und [

Reporting:Level II Level III ST/UST RRP Level IV Deliverables: EDD ADaPT □ Other:

	Project Name:	Qu	erecho Feder	al 2	Tur	n Around			1				ANA	LYSI	SREC	UEST				Preser	vative Codes
- 1	Project Number:		1230		Routine	✓ Rus	h	Pres. Code												None: NO	DI Water: H <sub>2</sub> C
	Project Location	Lea (	County, New I	Mexico	Due Date:	72 H	Hours													Cool: Cool	MeOH: Me
- 1	Sampler's Name:		CCM							MRO)						1 1				HCL: HC	HNO <sub>3</sub> : HN
-	PO#:							2		+										H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
	SAMPLE RECEIPT	Ter	np Blank:	Yes No	Wet Ice:	Yes	No	Paramete	18	+ DRO	4500									H <sub>3</sub> PO <sub>4</sub> : HP	
-	Received Intact:	(Ye	es No	Thermometer I	D:	1/3		aran	8021B	0	de 4					1 1				NaHSO <sub>4</sub> : NA	BIS
	Cooler Custody Seals:	Yes		Correction Fac	tor:	-0.		4	ВТЕХ	8015M ( GRO	Chloride					1 1				Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : Na	SO <sub>3</sub>
	Sample Custody Seals:	Yes	No N/A	Temperature R			9 é		8	15M	5					1 1			1 1	Zn Acetate+I	
	Total Containers:			Corrected Tem	perature:	1 4	32			180										NaOH+Asco	rbic Acid: SAPC
	Sample Identificati	on	Date	Time	Soil	Water	Grab/ Comp	# of Cont		ТРН										Samp	e Comments
3	T-4 (2')		2/8/2023		Х		Grab/	1	Х	Х	Х										
B	T-4 (3')		2/8/2023		X		Grab/	1	Х	Х	Х										
3	T-4 (4')		2/8/2023		X		Grab/	1	Х	Х	Х										
4	T-4 (5')		2/8/2023		X		Grab/	1	Х	Х	Х										
	T-5 (0-1')		2/8/2023		X		Grab/	1	χ	Х	Х										
9	T-5 (1')		2/8/2023		X		Grab/	1	Х	Х	Х										
	T-5 (2')		2/8/2023		X		Grab/	1	Х	Х	Х										
0	T-5 (3')		2/8/2023		X		Grab/	1	Х	Х	Х										
21	T-5 (4')		2/8/2023		X		Grab/	1	Х	Х	Х										
2	T-5 (5')		2/8/2023		Х		Grab/	1	Х	Х	Х		3								
5/3/2023 9:30:30 7/8/3	Comments: Email to Mi	ke Carm	ona / Mcarm	ona@carmona	aresources.co	m and Co	onner Mo	pehring i	Cmo	ehrin	g@car	monare	source	s.cor	n						
				by: (Signature)					Date/				1			eived by	(Signa	ature)			Date/Time
Received by OCD:	1 st							2-8	-2	3/	40		2000	10	a ,	Wello	as	SHC			
6																		/			
e l																					

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
1.45	2-8-23 1410	Muara Whates	

# **Chain of Custody**

Work Order No: #230565	47 of 48	
	age,	

Released to Imaging:

roject Manager:	Conne	er Moehring	2			Bill to: (if a	different)		Todd \	Wells								Work O	order C	omments	
ompany Name:	Carmo	ona Resourc	ces			Company	Name:		EOG I	Resou	rces				Progra	m: US	T/PST	PRP [	rownf	fields RC	perfund
ddress:	310 W	/ Wall St Ste	e 415			Address:			5509 (	Champ	ions Dr				State o						
city, State ZIP:	Midlan	nd, TX 7970	1			City, Stat	e ZIP:		Midlar	nd, Tx	79706				Report	ing:Lev	rel II	Level III	□ST/L	UST RRP	Level IV
hone:	432-81	13-6823			Emai	Todd W	lells@eo	gresour	ces.co	m					Deliver	ables:	EDD		ADaPT	□ Othe	r.
Project Name:		Quere	echo Feder	al 2	Turi	Around						AN	ALYSIS	REQ	UEST					Preserv	ative Codes
Project Number:			1230		Routine	✓ Rush	1	Pres. Code												None: NO	DI Water: H <sub>2</sub>
roject Location		Lea Cou	unty, New N	Mexico	Due Date:	72 H	lours													Cool: Cool	MeOH: Me
sampler's Name:			CCM							MRO)										HCL: HC	HNO <sub>3</sub> : HN
0#:				7 10				20		+										H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT Received Intact:	Temp	Blank:	Yes No	Wet Ice:	Yes	No	Parameters	8	DRO	4500	- 1								H <sub>3</sub> PO <sub>4</sub> : HP		
eceived Intact:		Yes	No	Thermometer ID	):	H	3	aran	8021B	+			-							NaHSO <sub>4</sub> : NAB	BIS
ooler Custody Seals	s:	Yes No	o N/A	Correction Factor	or:	-0,		۵	втех	(GRO	Chloride								1 1	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaS	O <sub>3</sub>
ample Custody Sea	als:	Yes No	o N/A	Temperature Re			9:	4		8015M (	5								1 1	Zn Acetate+Na	
otal Containers:				Corrected Temp	erature:	4	3i			1 80					1 1					NaOH+Ascorb	oic Acid: SAPC
Sample Iden	ntificatio	on	Date	Time	Soil	Water	Grab/ Comp	# of Cont		ТРН										Sample	Comments
H-1 (0-	-0.5')		2/8/2023		Х		Grab/	1	Х	Х	Х										
H-2 (0-	-0.5')		2/8/2023		Х		Grab/	1	Х	Х	Х										
H-3 (0-	-0.5')		2/8/2023		X		Grab/	1	Х	X	Х									1	
H-4 (0-	-0.5')		2/8/2023		Х		Grab/	1	Х	Х	Х										
H-5 (0-	-0.5')		2/8/2023		Х		Grab/	1	Х	Х	Х										
H-6 (0-	-0.5')		2/8/2023		X		Grab/	1	Х	Х	Х										
H-7 (0-	-0.5')		2/8/2023		Х		Grab/	1	Х	Х	Х										
H-8 (0-	-0.5')		2/8/2023		Х		Grab/	1	Х	Х	Х										
H-9 (0-	-0.5')		2/8/2023		X		Grab/	1	X	Х	Х										
110/0			2/8/2023		X		Grab/	1	X	Х	X										

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Work Order No:	H2305

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Project Name:		Que	recho Feder	al 2	Turi	n Around		P					-	ANALY	SIS R	EQUE	ST	_	_	-	-		tive Codes	
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Sampler's Name:			CCM							MRO)												HCL: HC	HNO <sub>3</sub> : HN NaOH: Na	
PO#:								5		+												H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na	es H <sub>2</sub> O Me HN Na
SAMPLE RECEI	PT	Tem	p Blank:	Yes No	Wet Ice:	Yes		Parameters	218	8015M ( GRO + DRO	Chloride 4500											H <sub>3</sub> PO <sub>4</sub> : HP		
Received Intact:		4	No	Thermometer ID		1/3		ara	BTEX 8021B	8	ide	-										NaHSO <sub>4</sub> : NABI		
Cooler Custody Seals	0	Yes	No N/A	Correction Factor		-0.0	00		3TE	0	hlor											Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSC Zn Acetate+Na		
Sample Custody Seal	s:	Yes	No (N/A)	Temperature Re		4.			"	15N	٥											NaOH+Ascorbi		
Total Containers:				Corrected Temp	erature:	4.	Je_															NaOn+Ascorbi	JAGU, SAFO	
Sample Iden	tificatio	on	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH												Sample	Comments	
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Received by OCD: 5/3/2023 9:56:55 AM



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### 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 - 1 (1.0') (H231147-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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Celey D. Keene



#### 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 - 2 (1.0') (H231147-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.1	% 49.1-14	8						

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Celey D. Keine



#### 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

QUERECHO FEDERAL 2

Project Number: 1230

Project Name:

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 - 3 (1.0') (H231147-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

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Celey D. Keine



#### 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 - 4 (1.0') (H231147-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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Celey D. Keene



#### 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 - 5 (1.0') (H231147-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.5	% 49.1-14	8						

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Celey D. Keene



#### 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 - 6 (1.0') (H231147-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

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Celey D. Keene



# 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 - 7 (1.0') (H231147-07)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.7	% 49.1-14	8						

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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 - 8 (1.0') (H231147-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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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 - 9 (1.0') (H231147-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
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	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.2	% 49.1-14	8						

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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 - 10 (1.0') (H231147-10)

RTFY 8021R

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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.6	% 49.1-14	8						

Analyzed By: 1H /

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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 - 11 (1.0') (H231147-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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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 - 12 (1.0') (H231147-12)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.0	% 49.1-14	8						

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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 - 13 (1.0') (H231147-13)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 49.1-14	8						

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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 - 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	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.7	% 49.1-14	8						

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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 - 15 (1.0') (H231147-15)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.5	% 49.1-14	8						

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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

QUERECHO FEDERAL 2

Project Name: 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 - 16 (1.0') (H231147-16)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

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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 - 17 (1.0') (H231147-17)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.1	% 49.1-14	8						

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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 - 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	% 71.5-13	4						
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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.1	% 49.1-14	8						

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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 - 19 (1.0') (H231147-19)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.2	% 49.1-14	8						

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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 - 20 (1.0') (H231147-20)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

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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 - 21 (1.0') (H231147-21)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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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 - 22 (1.0') (H231147-22)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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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 - 23 (1.0') (H231147-23)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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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 - 24 (3.5') (H231147-24)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

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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 - 25 (3.5') (H231147-25)

RTFY 8021R

B1EX 8021B	mg,	r Kg	Anaiyze	a 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	% 71.5-13	4						
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	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Applyzod By: 14

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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 - 26 (3.5') (H231147-26)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8						

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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 - 27 (3.5') (H231147-27)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

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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 - 28 (1.0') (H231147-28)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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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 - 29 (1.0') (H231147-29)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %	71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 %	6 49.1-14	8						

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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 - 30 (1.0') (H231147-30)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

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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 - 31 (1.0') (H231147-31)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/14/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	177	88.3	200	3.19	
DRO >C10-C28*	265	10.0	03/14/2023	ND	187	93.7	200	1.15	
EXT DRO >C28-C36	42.2	10.0	03/14/2023	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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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 - 32 (1.0') (H231147-32)

Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS           Benzene*         <0.050         0.050         03/14/2023         ND         1.75           Toluene*         <0.050         0.050         03/14/2023         ND         1.73	% Recovery 87.5 86.3 83.4	True Value QC 2.00 2.00	RPD 21.2	Qualifier
• •	86.3			
Toluene* <0.050 0.050 03/14/2023 ND 1.73		2.00		
	83.4		21.6	
Ethylbenzene* <0.050 0.050 03/14/2023 ND 1.67		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, SM4500Cl-B mg/kg Analyzed By: GM				
Analyte Result Reporting Limit Analyzed Method Blank BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride 560</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	
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 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 - 33 (1.0') (H231147-33)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



### 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 - 34 (1.0') (H231147-34)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.5	% 49.1-14	8						

Applyzod By: 14

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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 - 35 (1.0') (H231147-35)

	Method Blank	BS	% Recovery	True Value QC	DDD	
	ND		,	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 B	By: GM					
Analyte Result Reporting Limit Analyzed I	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride 272</b> 16.0 03/14/2023	ND	400	100	400	3.92	
TPH 8015M mg/kg Analyzed B	Analyzed By: MS					
Analyte Result Reporting Limit Analyzed I	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 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 - 36 (1.0') (H231147-36)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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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 - 37 (1.0') (H231147-37)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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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 - 38 (1.0') (H231147-38)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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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 - 39 (5.5') (H231147-39)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.7	% 49.1-14	8						

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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 - 40 (5.5') (H231147-40)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

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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 - 41 (5.5') (H231147-41)

BTEX 8021B

DIEX GOZID	9/	r r g	Allulyzo	.u by. 5117					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.4	% 49.1-14	8						

Analyzed By: JH/

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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 - 42 (5.5') (H231147-42)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Andryzo	a by. 511/					
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	81.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.5	% 49.1-14	8						

Analyzed By: JH/

Cardinal Laboratories \*=Accredited Analyte

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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 - 43 (5.5') (H231147-43)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.1	% 49.1-14	8						

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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 - 44 (5.5') (H231147-44)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.3	% 49.1-14	8						

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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 - 45 (5.5') (H231147-45)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.7	% 49.1-14	8						

Analyzed By: 1H /

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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 - 46 (5.5') (H231147-46)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.6	% 49.1-14	8						

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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 - 47 (5.5') (H231147-47)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

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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

QUERECHO FEDERAL 2

Project Name: 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 - 48 (5.5') (H231147-48)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

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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 - 49 (5.5') (H231147-49)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

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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 - 50 (5.5') (H231147-50)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

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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	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.4	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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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 - 52 (5.5') (H231147-52)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	8						

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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 - 53 (5.5') (H231147-53)

Benzene*	BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Toluene* < 0.050	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* <0.050 0.050 03/14/2023 ND 1.78 88.8 2.00 12 Total Xylenes* <0.150 0.150 03/14/2023 ND 5.58 93.0 6.00 12 Total BTEX <0.300 0.300 03/14/2023 ND  Surrogate: 4-Bromofluorobenzene (PID 118 % 71.5-134  Chloride, SM4500Cl-B mg/kg Analyzed By: GM  Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RI  Chloride 512 16.0 03/14/2023 ND 432 108 400 0.  TPH 8015M mg/kg Analyzed By: MS  Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RI  GRO C6-C10* <10.0 10.0 03/14/2023 ND 188 94.0 200 3.  DRO >C10-C28* <10.0 10.0 03/14/2023 ND 180 89.9 200 7.  EXT DRO >C28-C36 <10.0 10.0 03/14/2023 ND  Surrogate: 1-Chlorooctane 95.4 % 48.2-134	Benzene*	<0.050	0.050	03/14/2023	ND	1.80	90.2	2.00	12.4	
Total Xylenes*	Toluene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	13.2	
Total BTEX	Ethylbenzene*	<0.050	0.050	03/14/2023	ND	1.78	88.8	2.00	12.7	
Surrogate: 4-Bromofluorobenzene (PID         118 % 71.5-134           Chloride, SM4500Cl-B         mg/kg         Analyzed By: GM           Analyte         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RI           Chloride         512         16.0         03/14/2023 ND 432 108 400 0.           TPH 8015M         mg/kg         Analyzed By: MS           Analyte         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RI           GRO C6-C10*         <10.0	Total Xylenes*	<0.150	0.150	03/14/2023	ND	5.58	93.0	6.00	12.8	
Chloride, SM4500Cl-B         mg/kg         Analyzed By: GM           Analyte         Result Reporting Limit Analyzed Method Blank BS Recovery True Value QC RI PLANTING TRUE VAL	Total BTEX	<0.300	0.300	03/14/2023	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RI  Chloride 512 16.0 03/14/2023 ND 432 108 400 0.  TPH 8015M mg/kg Analyzed By: MS  Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RI  GRO C6-C10* <10.0 10.0 03/14/2023 ND 188 94.0 200 3.  DRO >C10-C28* <10.0 10.0 03/14/2023 ND 180 89.9 200 7.  EXT DRO >C28-C36 <10.0 10.0 03/14/2023 ND  Surrogate: 1-Chlorooctane 95.4 % 48.2-134	Surrogate: 4-Bromofluorobenzene (PI	118	% 71.5-13	4						
Chloride         512         16.0         03/14/2023         ND         432         108         400         0.           TPH 8015M         mg/kg         Analyzed By: MS         Method Blank         BS         % Recovery         True Value QC         RI           GRO C6-C10*         <10.0	Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
TPH 8015M         mg/kg         Analyzed By: MS           Analyte         Result Reporting Limit         Analyzed Method Blank BS % Recovery         True Value QC RI Method Blank BS % Recovery         True Value QC RI Method Blank BS % Recovery         True Value QC RI Method Blank BS % Recovery         True Value QC RI Method Blank BS % Recovery         True Value QC RI Method Blank BS % Recovery         True Value QC RI Method Blank BS % Recovery         True Value QC RI Method Blank BS % Recovery         True Value QC RI Method Blank BS % Recovery         True Value QC RI Method Blank BS % Recovery         True Value QC RI Method Blank BS % Recovery         True Value QC RI Method Blank BS % Recovery         True Value QC RI RI Method Blank BS % Recovery         True Value QC RI RI Method Blank BS % Recovery         True Value QC RI RI Method Blank BS % Recovery         True Value QC RI RI Method Blank BS % Recovery         True Value QC RI RI Method Blank BS % Recovery         True Value QC RI RI Method Blank BS % Recovery         True Value QC RI RI Method Blank BS % Recovery         True Value QC RI RI Method Blank BS % Recovery         True Value QC RI	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RI GRO C6-C10* <10.0 10.0 03/14/2023 ND 188 94.0 200 3. DRO >C10-C28* <10.0 10.0 03/14/2023 ND 180 89.9 200 7. EXT DRO >C28-C36 <10.0 10.0 03/14/2023 ND  Surrogate: 1-Chlorooctane 95.4 % 48.2-134	Chloride	512	16.0	03/14/2023	ND	432	108	400	0.00	
GRO C6-C10* < 10.0 10.0 03/14/2023 ND 188 94.0 200 3.  DRO >C10-C28* < 10.0 10.0 03/14/2023 ND 180 89.9 200 7.  EXT DRO >C28-C36 <10.0 10.0 03/14/2023 ND  Surrogate: 1-Chlorooctane 95.4 % 48.2-134	TPH 8015M	mg	/kg	Analyze	d By: MS					
DRO >C10-C28* < 10.0 10.0 03/14/2023 ND 180 89.9 200 7.  EXT DRO >C28-C36 <10.0 10.0 03/14/2023 ND  Surrogate: 1-Chlorooctane 95.4 % 48.2-134	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 <10.0 10.0 03/14/2023 ND  Surrogate: 1-Chlorooctane 95.4 % 48.2-134	GRO C6-C10*	<10.0	10.0	03/14/2023	ND	188	94.0	200	3.67	
Surrogate: 1-Chlorooctane 95.4 % 48.2-134	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: L-Chlorocctadecane 106 % 49 L-148	Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
50110guic. 1 Cinologuiaceanc 100 / 77.1 170	Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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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 - 54 (5.5') (H231147-54)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	a 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 %	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

Analyzed By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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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 - 55 (3.5') (H231147-55)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128 9	% 49.1-14	8						

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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)

RTFY 8021R

B1EX 8021B	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 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	26 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

Analyzed By: 1H /

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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 - 57 (3.5') (H231147-57)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

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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 - 58 (3.5') (H231147-58)

BTEX 8021B

DILX GOZID	mg/	ng .	Andryzo	a by. 511/					
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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.9	% 49.1-14	8						

Analyzed By: JH/

Cardinal Laboratories \*=Accredited Analyte

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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 - 59 (3.5') (H231147-59)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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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

QUERECHO FEDERAL 2

Project Name: QUER 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 - 60 (3.5') (H231147-60)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.5	% 49.1-14	8						

Analyzed By: 1H /

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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 - 61 (3.5') (H231147-61)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	71.5-13	4						
Chloride, SM4500Cl-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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.0	% 49.1-14	8						

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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 - 62 (3.5') (H231147-62)

RTFY 8021R

BIEX 8021B	mg/kg Analyzed By: JH/			a 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

Analyzed By: 1H /

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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 - 63 (3.5') (H231147-63)

Analyte Result Reporting Limit Analyze	d Method Blank	BS	% Recovery			
			70 Recovery	True Value QC	RPD	Qualifier
Benzene* <0.050 0.050 03/14/20	)23 ND	1.97	98.4	2.00	8.16	
Toluene* <0.050 0.050 03/14/20	)23 ND	1.98	99.1	2.00	7.66	
Ethylbenzene* <0.050 0.050 03/14/20	)23 ND	1.97	98.7	2.00	7.46	
Total Xylenes* <0.150 0.150 03/14/20	)23 ND	5.96	99.4	6.00	7.64	
Total BTEX <0.300 0.300 03/14/20	)23 ND					
Surrogate: 4-Bromofluorobenzene (PID 104 % 71.5-134						
Chloride, SM4500Cl-B mg/kg An	alyzed By: GM					
Analyte Result Reporting Limit Analyze	d Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride 1090</b> 16.0 03/14/20	)23 ND	400	100	400	7.69	
TPH 8015M mg/kg An	alyzed By: MS					
Analyte Result Reporting Limit Analyze	d Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10* <10.0 10.0 03/14/20	)23 ND	176	88.1	200	1.41	
DRO >C10-C28* <10.0 10.0 03/14/20	)23 ND	175	87.4	200	2.73	
EXT DRO >C28-C36 <10.0 10.0 03/14/20	)23 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 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 - 64 (3.5') (H231147-64)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.7	% 49.1-14	8						

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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 - 65 (3.5') (H231147-65)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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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 - 66 (3.5') (H231147-66)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 49.1-14	18						

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Celey D. Keene



## 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 - 67 (3.5') (H231147-67)

BTEX 8021B

DILX OUZID	ıııg,	ng .	Allulyzo	a by. 511/					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.4	% 49.1-14	8						

Analyzed By: JH/

Cardinal Laboratories \*=Accredited Analyte

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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

QUERECHO FEDERAL 2

Project Name: QUER 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 - 68 (3.5') (H231147-68)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	alyzed 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.1	% 49.1-14	8						

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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 - 69 (3.5') (H231147-69)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.6	% 49.1-14	8						

Analyzed By: 1H /

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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 - 70 (3.5') (H231147-70)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	6 49.1-14	8						

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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 - 1 (1.0') (H231147-71)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	59.8	% 49.1-14	8						

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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 - 2 (1.0') (H231147-72)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.3	% 49.1-14	18						

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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 - 3 (1.0') (H231147-73)

Analyte Result Reporting Limit	Analyzed	Method Blank	DC.				
		ricaioa Biarik	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	Analyze	d By: GM					
Analyte Result Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride 32.0</b> 16.0	03/14/2023	ND	400	100	400	7.69	
TPH 8015M mg/kg	Analyze	d By: MS					
Analyte Result Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10* <10.0 10.0	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 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 - 4 (2.5') (H231147-74)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.3	% 49.1-14	8						

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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 - 5 (3.5') (H231147-75)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.1	% 49.1-14	8						

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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 - 6 (3.5') (H231147-76)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.7	% 49.1-14	8						

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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 - 7 (3.5') (H231147-77)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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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 - 8 (3.5') (H231147-78)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.0	% 49.1-14	8						

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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 - 9 (1.0') (H231147-79)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.3	% 49.1-14	8						

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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:

Sampling Condition: Cool & Intact

Sample Received By: Shalyn Rodriguez

Soil

# Sample ID: SW - 10 (1.0') (H231147-80)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.6	% 49.1-14	18						

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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

QUERECHO FEDERAL 2

Project Name: QUER 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 - 11 (1.0') (H231147-81)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.1	% 49.1-14	8						

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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 - 12 (1.0') (H231147-82)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	62.7	% 49.1-14	8						

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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 - 13 (1.0') (H231147-83)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	8						

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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 - 14 (4.5') (H231147-84)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.4	% 49.1-14	8						

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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 QUERECHO FEDERAL 2

Project Name: 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 - 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 9	% 71.5-13	4						
Chloride, SM4500Cl-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	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	249	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	113	10.0	03/14/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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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

QUERECHO FEDERAL 2

Project Name: QUER 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 - 16 (1.0') (H231147-86)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	173	86.3	200	0.630	
DRO >C10-C28*	209	10.0	03/14/2023	ND	165	82.6	200	2.66	
EXT DRO >C28-C36	105	10.0	03/14/2023	ND					
Surrogate: 1-Chlorooctane	85.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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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

QUERECHO FEDERAL 2

Project Name: 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 - 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 9	% 71.5-13	4						
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	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.3	% 49.1-14	8						

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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 - 18 (1.0') (H231147-88)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
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	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.3	% 49.1-14	8						

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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 - 19 (4.5') (H231147-89)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

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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 - 20 (5.5') (H231147-90)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.3	% 49.1-14	8						

Analyzed By: JH

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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

QUERECHO FEDERAL 2

Project Name: QUER 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 - 21 (2.0') (H231147-91)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.1	% 49.1-14	8						

Applyzod By: 14

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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 8

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: SW - 22 (5.5') (H231147-92)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.3	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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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 - 23 (5.5') (H231147-93)

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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.4	% 49.1-14	8						

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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 - 24 (3.5') (H231147-94)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.5	% 49.1-14	8						

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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

QUERECHO FEDERAL 2

Project Name: QUER 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 - 25 (3.5') (H231147-95)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.9	% 49.1-14	18						

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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

QUERECHO FEDERAL 2

Project Name: QUER Project Number: 1230

Project Location: EOG - LEA CO NM

Sampling Date: 03/13/2023

Sampling Type:

Sampling Condition: Cool & Intact

Sample Received By: Shalyn Rodriguez

Soil

## Sample ID: SW - 26 (3.5') (H231147-96)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.7	% 49.1-14	8						

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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 - 27 (3.5') (H231147-97)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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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 - 28 (3.5') (H231147-98)

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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.8	% 49.1-14	8						

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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

QUERECHO FEDERAL 2

Project Name: 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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.0	% 49.1-14	8						

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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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# **Chain of Custody**

e 102 of 111 Work Order No: 4231)47

Project Manager: C	conner Mo	ehring			Bill to:	if different)		Tod	d Well	s											_1 of
Company Name:	armona F	Resources				ny Name:			G Reso					-	-					r Comments	
Address: 3	10 W Wa	I St Ste 415			Address									-	Progr	ram: U	ST/PST	PRP	rov	wnfields R	RC perfur
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roject Location	1			Routine	✓ Rus	sh	Code												T	None: NO	DI Water:
ampler's Name:	Le	ea County, New MPM	Mexico	Due Date:	24	Hrs			_					1						Cool: Cool	
O#:		IVIPIVI		- 2	4 Hours				+ MRO)						1 1					HCL: HC	MeOH: M HNO <sub>3</sub> : HN
AMPLE RECEIPT		Temp Blank:	Yes No	100-11-			ers		100						1 1	- 1				H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
eceived Intact:		Yes No	Thermometer II	Wet Ice:	Yes		met	218	E E	1500										H <sub>3</sub> PO <sub>4</sub> : HP	
cooler Custody Seals:		No N/A	Correction Fact		-0		Parameters	BTEX 8021B	RO	ide										NaHSO <sub>4</sub> : NA	BIS
ample Custody Seals:		es (No) N/A	Temperature R			. Lo E		BTE	N (G	Chloride 4500										Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : Na	
otal Containers:			Corrected Tem			35			015N	"										Zn Acetate+N	
Sample Identifie	cation	Date	Time	Soil	Water	Grab/	# of Cont		TPH 8015M ( GRO + DRO												bic Acid: SAPC
CS-1 (1.0	)	3/13/2023		X		C	1	Х	X	X	-	-	+	-		_		_		Sample	Comments
CS-2 (1.0'	)	3/13/2023		X		С	1	X	X	X	-	+	+	-		-		-			
CS-3 (1.0'	)	3/13/2023		X		С	1	X	X	X	-	-	+	-		-	-	-			
CS-4 (1.0'	)	3/13/2023		X		С	1	X	X	X	-	-	+	-		-	-	-			
CS-5 (1.0°)	)	3/13/2023		X		С	1	X	X	X	-	-	+		-	-		_			
CS-6 (1.0')	)	3/13/2023		X		С	1	X	X	X	-	+	+		-	-		_			
CS-7 (1.0')	)	3/13/2023	-	Х		C	1	X	X	X	-	-	+		-	-	_				
CS-8 (1.0')		3/13/2023		X		C	1	X	X	X	-	-	+			-	-				
CS-9 (1.0')		3/13/2023		X		C	1	X	X	X	-	+	-		_	-	-				
CS-10 (1.0°	)	3/13/2023		Х		C	1	X	X	X		-	-		-	-					
omments: Email to		Relinquished by		esources.com	and Con	ner Moe		Cmoe		@carn	nonares	ources									
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	OUTITION INTO	ehring			Bill to:	(if different)		Tod	d Wel	le.									AT I I I		of10
Company Name:	Carmona F	Resources			10000	ny Name:				ources				-		_				Comments	
Address:	310 W Wal	St Ste 415			Address									-				T PRP	Prov	wnfields RC	perfund
City, State ZIP:	Midland, TX	79701			City, St		-			mpions				_	State						
Phone:	432-813-68	23		Ems						x 7970	3			_				_Level III	□s <sup>-</sup>	T/UST RRP	Level IV
Project Name:		A		Ellie	iil: Todd	vvelis@e	ogresou	irces.	com						Delive	rables	EDD		ADaF	PT Other:	
Project Number:		Querecho Fede	eral 2		n Around							AN	NALYS	IS REC	UEST					Description	
200000000000000000000000000000000000000		1230		Routine	✓ Ru	sh	Pres. Code								T			T	T		tive Codes
Project Location Sampler's Name:	Le	ea County, New	Mexico	Due Date:	24	4Hrs													+	None: NO	DI Water: H <sub>2</sub> O
PO #:		MPM		2	4 Hours				MRO)											Cool: Cool HCL: HC	MeOH: Me
SAMPLE RECEIP	DT .	T					2		+												HNO <sub>3</sub> : HN NaOH: Na
Received Intact:		Yes No	Yes No	Wet Ice:	(Yes	No	nete	18	+ DRO	4500								- 1		H <sub>3</sub> PO <sub>4</sub> : HP	NaOn: Na
Cooler Custody Seals:		s No N/A	Thermometer ID Correction Factor		113		Parameters	K 8021B	00	de 4					1 1					NaHSO <sub>4</sub> : NABIS	
Sample Custody Seals		s No N/A	Temperature Re		-0		-	ВТЕХ	99	Chloride										Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Total Containers:			Corrected Temp		-7.	-lei		-	8015M ( GRO	0										Zn Acetate+NaOH	
Sample Identi	(Castley				1	Grab/			TPH 80											NaOH+Ascorbic A	
Sample Identi	incation	Date	Time	Soil	Water	Comp	# of Cont		=									- 1		Commis O	
CS-11 (1	.0')	3/13/2023		X		C	1	Х	X	X		-	+			_	_			Sample Co	omments
CS-12 (1.	.0')	3/13/2023		Х		C	1	X	X	X		-	+	-		-					
CS-13 (1.	.0')	3/13/2023		X		С	1	X	X	X		-	+	-		_					
CS-14 (1.	.0')	3/13/2023		Х		С	1	X	X	X		-	+	-	-	-					
CS-15 (1.	.0')	3/13/2023		X		C	1	X	X	X	-	-	+			-	-				
CS-16 (1.		3/13/2023		X		С	1	X	X	X	-	-	+	-	_	-	-				
CS-17 (1.	.0')	3/13/2023		Х		C	1	X	X	X	-	-	-		-	4					
CS-18 (1.	0')	3/13/2023		Х		C	1	X	X	X	-	-	+	$\vdash$	_	1				1	
CS-19 (1.		3/13/2023		X		C	1	X	X	X	-	-	-			1	1				
CS-20 (1.0	0')	3/13/2023		X		C	1	X	X	X	-	-	-								

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# Chain of Custody

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Project Manager:	Conner Moe	ehring			Bill to:	(if different)		-	dd We										Page	3 of10_
Company Name:	Carmona Re	esources			1	ny Name				-	_			_					rder Comments	
Address:	310 W Wall	St Ste 415			Addres	-				ources				_	Progra	n: UST	/PST [	PRP	rownfields RC	perfund
Was a larger of the same of th	Midland, TX						-			mpions					State of					
and the same of th	432-813-682			Ema	City, St		nzernoe			x 7970	6							-	ST/UST RRP	Level IV
Project Name:	(	Querecho Fede	ral 2	100000	rn Around		1	1	COM						Delivera	Dies: E	DD L	A	ADaPT Othe	r:
Project Number:		1230		Routine	✓ Ru:		Pres.	1	_	T	1	AM	VALYSI	SREQL	EST	-	-		Preserv	ative Codes
Project Location	Lea	a County, New	Mexico	Due Date:	1		Code	-	+	+	+	-	-	-		_			None: NO	DI Water: H <sub>2</sub> O
Sampler's Name: PO #:		MPM			4 Hours	Hrs			MRO)										Cool: Cool HCL: HC	MeOH: Me
SAMPLE RECEIF		emp Blank:	Yes No	Wet Ice:	(es	No	Parameters		+ DRO +	4500									H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	HNO <sub>3</sub> : HN NaOH: Na
Received Intact: Cooler Custody Seals:		Yes No	Thermometer ID Correction Factor		11.	1	aran	K 8021B	RO + E										H <sub>3</sub> PO <sub>4</sub> ; HP NaHSO <sub>4</sub> : NABI	s
Sample Custody Seals		NO N/A	Temperature Re			30	-	ВТЕХ	9	Chloride									Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO	
Total Containers:			Corrected Temp		-le-	25		-	8015M ( GRO	0									Zn Acetate+Na	OH: Zn
Sample Identi	ification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	1	TPH										NaOH+Ascorbio	
CS-21 (1	.0')	3/13/2023		X		Comp	1	-	-	-		-	-	$\perp$					Sample	Comments
CS-22 (1	.0')	3/13/2023		X		C	1	X	X	X			-							
CS-23 (1	.0')	3/13/2023		X		C	1	X	X	X										
CS-24 (3	.5')	3/13/2023		X		C	1	X	X	X										
CS-25 (3.	.5')	3/13/2023		X		C	1	X	X	X										
CS-26 (3.	.5')	3/13/2023		X			1	X	X	Х										
CS-27 (3.	.5')	3/13/2023		X		С	1	X	X	Х										
CS-28 (1.	0')	3/13/2023		X		С	71	Х	Х	Х										
CS-29 (1.	0')	3/13/2023		X		С	31	Х	Х	Х										
CS-30 (1.		3/13/2023		X		C	1	X	X	X										

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Work Order No: <u>#831147</u>	105 of
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City, State ZIP:	310 W Wall				Theren	ny Name:				ources										Comments	
		St Ste 415			Address					npions	D-				Progr	am: US	T/PST	PRP	row	nfields RC	perfund [
Phone:	Midland, TX	79701				ate ZIP:										of Proj			_		
rhone.	132-813-68	23		Ema	il: Todd		ogresou			x 7970						rables:		Level III			Level IV
Project Name:		Querecho Fede	ral 2		n Around		T	T								ables.	EUU		ADaP'	T Other:	
Project Number:		1230		Routine	✓ Ru:		Pres.	-	T	T		A	NALY	SIS RE	QUEST	-	-			Preservati	ve Codes
Project Location	Le	a County, New	Mexico	Due Date:		Hrs	Code		-	+			-	_	+	-	-			None: NO	DI Water: H <sub>2</sub> O
Sampler's Name:		MPM				+nis		1	6											Cool: Cool	MeOH: Me
PO #:				2	4 Hours				- MRO)	1										HCL: HC	HNO <sub>3</sub> : HN
SAMPLE RECEIP	T	Temp Blank:	Yes No	Wet Ice:	Yes	No	Parameters	l	DRO											H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
Received Intact:		Yes No	Thermometer II	):	11/2		am	8021B	+	4500					1 1					H <sub>3</sub> PO <sub>4</sub> : HP	
Cooler Custody Seals:		s No N/A	Correction Fact	or:	-0.	(0)	Pa	BTEX 8	GRO	Chloride					1 1					NaHSO <sub>4</sub> : NABIS	
Sample Custody Seals:	Ye	s No N/A	Temperature R	eading:	1-6-			B.	W	Chic					1 1					Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Total Containers:			Corrected Temp	perature:	1-7.				8015M ( GRO											Zn Acetate+NaOH	
Sample Identifi	ication	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH										1	NaOH+Ascorbic A	
CS-31 (1.0	0')	3/13/2023		X		C	1	X	X	X		-	-	-	-	-	_	-		Sample Co	mments
CS-32 (1.0	0')	3/13/2023		X		C	1	X	X	X		-	-	-	+ +	-	-				
CS-33 (1.0	0')	3/13/2023		X		С	1	X	X	X	-	-	-	-	+ +	_					
CS-34 (1.0	0')	3/13/2023		X		С	1	X	X	X	-	-	-	-	-	_	-				
CS-35 (1.0	0')	3/13/2023		X		C	1	X	X	-	-	-	-	+	1	_					
CS-36 (1.0	0')	3/13/2023		X		C	1	X	X	X	-	-	-	_							
CS-37 (1.0	0')	3/13/2023		X		C	21		-	X	-	-	-	-							
CS-38 (1.0	)')	3/13/2023		X		C	1	X	X	X	-	-	-	-							
CS-39 (5.5	5')	3/13/2023		X		C	1	X	X	X		-	-								
CS-40 (5.5	5')	3/13/2023		X		C	51	X	X	X	-	-	-	_		1					

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Project Manager:

Company Name:

Address:

Conner Moehring

Carmona Resources

310 W Wall St Ste 415

# Chain of Custody

Todd Wells

EOG Resources

Bill to: (if different)

Company Name:

Work Orde	Page _ 5 _ of _ 10
Work Or	der Comments
D-11	rownfields RC perfund ST/UST RRP Level IV DAPT Other:
EST	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

City, State ZIP:	Midland T	V 70704			1100100	0.		200	9 Cha	mpions	Dr				Sta	ate of P	roject:				
	Midland, T				City, Sta	ate ZIP:		Mid	land, 1	Tx 7970	16				Re	portina:	Level II	Level II	п По	ST/UST RRP	П Г
Phone:	432-813-6	823		Ema	ii: Todd \	Wells@e	eogresou	irces.	com								s: EDD			_	Level IV
Project Name:		Querecho Fede	ral 2	2000	n Around			T										=	ADa	PT U Other:	
Project Number:		1230		Routine	✓ Rus		Pres.	-	T	T	_	AI	NALY	SIS R	QUES	T	1	-	-	Preservativ	ve Codes
Project Location		ea County, New	Mexico	Due Date:	24	Hrs	Code		+	+	+		-	+	-	-	+		_	None: NO	DI Water: H <sub>2</sub> O
Sampler's Name:		MPM				FILIS	-		6											Cool: Cool	MeOH: Me
PO #:				2	4 Hours				- MRO)		1			- 1						HCL: HC	HNO <sub>3</sub> : HN
SAMPLE RECEI	PT	Temp Blank:	Yes (No	Wet Ice:	Yes	No	ters	l	DRO +				- 1							H <sub>2</sub> S0 <sub>4</sub> ; H <sub>2</sub>	NaOH: Na
Received Intact:		Yes No	Thermometer I	D:	113	110	ame	8021B	+	4500							1 1			H <sub>3</sub> PO <sub>4</sub> : HP	
Cooler Custody Seals		es No N/A	Correction Fac	tor:	-0.	10:	Par	X X	GRO	Chloride										NaHSO <sub>4</sub> : NABIS	
Sample Custody Seal	s: Y	es No N/A	Temperature R	leading:	1-6			E	-	Chic			- 1							Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Total Containers:			Corrected Tem	perature:		25			8015M	1										Zn Acetate+NaOH:	
Sample Iden	tification	Date	Time	Soil	Water	Grab/	# of	1	표											NaOH+Ascorbic Ac	
CS-41 (	5.5')	3/13/2023		X		Comp	Cont	-	-	-		_	-	_	_					Sample Cor	mments
CS-42 (	5.5')	3/13/2023		X		C	1	X	X	X		-	-	_	-						
CS-43 (	5.5')	3/13/2023		X		С	1	X	X	X	-	-	-	+							
CS-44 (5	5.5')	3/13/2023		X		C	1	X	X	X	$\vdash$	-	+	+	1						
CS-45 (5	5.5')	3/13/2023		X		С	1	X	X	X		-	-	+	-						
CS-46 (5	.5')	3/13/2023		X		С	1	X	X	X		-	-	+	1						
CS-47 (5	.5')	3/13/2023		X		C	21	X	X	X		-	-	-	+						
CS-48 (5	.5')	3/13/2023		X		С	1	X	X	X	-	-	-	+	-						
CS-49 (5	.5')	3/13/2023		X		C	1	X	X	X		-	-	+	-						
CS-50 (5	.5')	3/13/2023		X		C	I.	^ Y	^ V	×		-	+	-							

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

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Project Manager:	Conner N	foehring .			-			1														Page6	6 of10_
Company Name:		Resources			Bill to:	(if different)		Too	dd Wel	ls									١	Vork (	Order	Comments	
					Compa	ny Name:		EO	G Res	ources						Prog	ram: I	JST/P				nfields RC	perfund
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	Midland,	TX 79701			City, St	ate ZIP:		Mid	land, T	x 79706	3					Repo	rtina:L	evel II	Пь	evel III	Пет	T/UST RRP	Пини Г
Phone:	432-813-6	8823		Ema	il: Todd	Wells@e	eogreso												D [	-	ADaP		
Project Name:		Querecho Fede	ral 2		n Around																Abdi	T Other	
Project Number:		1230		Routine	✓ Ru	_	Pres.		T	T	T	_	ANA	LYSIS	REQ	UEST	_		_	_	_	Preserva	ative Codes
Project Location		Lea County, New	Mexico	Due Date:		4Hrs	Code	-	+	+	+	+	+	-	-				-	-	_	None: NO	DI Water: H <sub>2</sub> O
Sampler's Name:		MPM				+nis			6	1												Cool: Cool	MeOH: Me
PO #:				2	4 Hours				MRO)													HCL: HC	HNO <sub>3</sub> : HN
SAMPLE RECEIP	PT	Temp Blank:	Yes No	Wet Ice:	Yes	No	Parameters		DRO +				1									H <sub>2</sub> S0 <sub>4</sub> ; H <sub>2</sub>	NaOH: Na
Received Intact:		es_No	Thermometer I		1113	NO	ame	80218	+	4500		1										H <sub>3</sub> PO <sub>4</sub> : HP	
Cooler Custody Seals:		Yes No N/A	Correction Fact	tor:	-0.	10>	Par	×	GRO	Chloride												NaHSO4: NABIS	ŝ
Sample Custody Seals	s:	Yes (No) N/A	Temperature R	eading:	-6.			втех	-	1 24												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO	-
Total Containers:			Corrected Tem	perature:	-7.	2.C			8015M													Zn Acetate+NaC	
Sample Ident		Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH													NaOH+Ascorbic	Acid: SAPC
CS-51 (5	5.5')	3/13/2023		X		С	1	X	X	X						-	-					- Innpie o	ronnients
CS-52 (5		3/13/2023		X		С	1	X	X	X					-	-	-						
CS-53 (5	.5')	3/13/2023		×		C	1	X	X	X		-				-	-						
CS-54 (5	.5')	3/13/2023		X		С	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	-					_								
CS-57 (3	.5')	3/13/2023		X		С	21		-	X													
CS-58 (3.	.5')	3/13/2023		X		C	4	X	X	X													
CS-59 (3.	.5')	3/13/2023		X		C	1	X	X	X													
CS-60 (3.	5')	3/13/2023		· ·		0	1:	X	X	X													

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

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## Chain of Custody

Work Order No: #331147

Project Manager:	Conner Mo				Bill to:	(if different)		Tod	d Well	s							***		Page8	of10_
Company Name:	Carmona R	esources			2000	ny Name:			-	ources				-					der Comments	
Address:	310 W Wall	St Ste 415			Addres					mpions D	10			- P	rogram tate of F	: UST/I	ST LP	RP U	rownfields RC	perfund
City, State ZIP:	Midland, TX	79701			City, St	ate 7IP-				x 79706	//								-	
Phone:	432-813-68	23		Ema	il: Todd		naraeni			X /9/00									ST/UST RRP	Level IV
Project Name:		Querecho Fede	ral 2	1	3,000		T	il Ces.	JOIN						eliverabl	es: El	D []	AD	DaPT Other:	
Project Number:		1230	idi Z	Routine	n Around		Pres.	-	_	_		ANA	ALYSIS	REQUE	ST				Preservat	tive Codes
Project Location	10		Mandan		✓ Ru		Code	-	-										None: NO	DI Water: H <sub>2</sub> O
Sampler's Name:	Le	a County, New MPM	Mexico	Due Date:	24	4Hrs													Cool: Cool	MeOH: Me
PO #:		IVII IVI		2	4 Hours				+ MRO)									HCL: HC	HNO <sub>3</sub> : HN	
SAMPLE RECEI	PT 1	Temp Blank:	Yes No	Wet Ice:	16	1	ters		0								1 1		H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
Received Intact:		Kes_No	Thermometer ID		Yes	No	Parameters	BTEX 8021B	+ DB	4500						1			H₃PO₄: HP	
Cooler Custody Seals		s No N/A	Correction Facto		1-0	UE	Par	×	180	ride									NaHSO <sub>4</sub> : NABIS	
Sample Custody Seal	ls: Ye	s No N/A	Temperature Re	ading:	10.			BTE	W C	Chloride	- 1								Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
otal Containers:			Corrected Tempo	erature:		2:			3015										Zn Acetate+NaO	
Sample Ident	tification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH 8015M ( GRO + DRO										NaOH+Ascorbic	
SW-1 (1	1.0')	3/13/2023		X		C	1	X	X	X	-	-	+	_	-				Sample Co	omments
SW-2 (1	1.0')	3/13/2023		X		С	1	X	X	X	-	-	-	-	+					
SW-3 (1	1.0')	3/13/2023		X		С	1	X	X	X	_	+		_	-					
SW-4 (2	2.5')	3/13/2023		X		С	1	X	X	X	-	-	+-	-	-					
SW-5 (3	3.5')	3/13/2023		X		C	1	X	X	X	-	+	+	-	-					
SW-6 (3	3.5')	3/13/2023		X		C	1	X	X	X	-	+	+	-	+					
SW-7 (3	3.5')	3/13/2023		Х		C	1	X	X	X	$\rightarrow$	+	+	-	+					
SW-8 (3	.5')	3/13/2023		Х		C	1	X	X	X	-	+	++	-	+					
SIM O /4	.0')	3/13/2023		X		С	1	X	X	X	_	+	-	-	-					
SW-9 (1	1.0')	3/13/2023		Х		C	-	X	X	X										

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

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Received by: (Signature)

Date/Time

Project Manager.

Company Name:

Address:

Conner Moehring

Carmona Resources

310 W Wall St Ste 415

Relinquished by: (Signature)

town marcy

Todd Wells

EOG Resources

5509 Champions Dr

Bill to: (if different)

Company Name:

Address:

**Work Order Comments** 

Program: UST/PST PRP rownfields RC

State of Project

Received by: (Signature)

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City, State ZIP:	Midland, TX	79701			City, Sta	ate ZIP:		Midl	and T	x 79706				Reporting	n:l aval II	Level III	Поти	
Phone:	432-813-682	3		Ema	il: Todd \		ogresou			A 7 0 7 0 0					oles: ED		ADaPT I	
Project Name:	0	uerecho Fede	ral 2		m Around							NAL VOI					ADAFT	Uther:
Project Number:		1230		Routine	✓ Rus		Pres.		T	T	A	NALYSI	REQU	EST	_		-	Preservative Codes
Project Location Sampler's Name:	Lea	County, New MPM	Mexico	Due Date:	24 4 Hours	Hrs	Code		MRO)						+		Co	one: NO DI Water: H <sub>2</sub> O ool: Cool MeOH: Me
SAMPLE RECEI Received Intact: Cooler Custody Seals	(	emp Blank:	Yes No Thermometer ID	Wet Ice:	(Yes		Parameters	8021B	+ DRO +	le 4500							H <sub>2</sub>	CL: HC HNO <sub>3</sub> : HN PO <sub>4</sub> : HP
Sample Custody Seal Total Containers:		NO N/A	Correction Factor Temperature Re Corrected Temp	eading:	-1e -7-	ie.	Pa	втех	8015M ( GRO	Chlorid							Na Zn	aHSO <sub>4</sub> : NABIS a <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Acetate+NaOH: Zn
Sample Iden	tification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH								Na	OH+Ascorbic Acid: SAPC
SW-11 (	1.0')	3/13/2023		X		С	1	X	X	X		_	+ +					Sample Comments
SW-12 (	1.0')	3/13/2023		X		С	1	X	X	x		-	-	-				
SW-13 (	1.0')	3/13/2023		Х		С	1	X	X	x		-	-	-				
SW-14 (	4.5')	3/13/2023		Х		C	1	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		1						
SW-17 (1	1.0')	3/13/2023		X		C	-	X	X	X		_						
SW-18 (1	1.0')	3/13/2023		X		C	1	X	X	X								
SW-19 (4	4.5')	3/13/2023		X			1	X	X	X								
SW-20 (5	5.5')	3/13/2023		X		C	1	X	X	X		-		-				

Date/Time

3 4123 0819

Date/Time

Conner Moehring

Relinquished by: (Signature)

Modrique

Received by: (Signature)

8 Rodrign

O	COMMENTAL INION				Bill to: (	(if different)		Too	d We	lls					J. I			W	ork O	rder C	Comments	
Company Name:	Carmona R				Compa	ny Name:		EO	G Res	ources					F	rogram	: UST/				nfields RC	perfund
Address:	310 W Wall				Address	s:		550	9 Cha	mpions	Dr				s	tate of	Project	t:		_,,,,,,,,,	Inclus Line	periung
City, State ZIP:	Midland, TX				City, St	ate ZIP:		Mid	and, 1	Tx 7970	6				- 1			II Lev	el III	□st/	UST RRP	Level IV
Phone:	432-813-68	23		Ema	il: Todd	Wells@e	eogresou								1 1			DD 🗆		ADaPT	_	
Project Name:		Querecho Fed	eral 2		n Around			T						010	, _					T		
Project Number:		1230		Routine	✓ Ru		Pres.		T	T	T	1	NALY	SIS RE	QUE	ST	1	_			Preserva	tive Codes
Project Location	Le	a County, New	Mexico	Due Date:	7	4Hrs	Code		+	+	+		-	+	+	+	+	+			None: NO	DI Water: H <sub>2</sub> O
Sampler's Name:		MPM				41115	-		MRO)												Cool: Cool	MeOH: Me
PO #:				7 2	4 Hours		100		₹ E		1	1 1							- 1		HCL: HC	HNO3: HN
SAMPLE RECEI	IPT 1	Temp Blank:	Yes No	Wet Ice:	Yes	No	Parameters	l	DRO	0											H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
Received Intact:		Yes No	Thermometer II	D:	117		- am	8021B	+	4500											H₃PO₄: HP	
Cooler Custody Seals		s NA	Correction Fact	or:	-0	50.	Pai	BTEX 8	8015M ( GRO	Chloride											NaHSO <sub>4</sub> : NABIS	
Sample Custody Sea	ls: Ye	s No N/A	Temperature Re	eading:	-Le-			E E	N	S S			- 1								Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO	
Total Containers:			Corrected Temp	perature:	1-7-3	35		1													Zn Acetate+NaO NaOH+Ascorbic	
Sample Iden	tification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	1	H <sub>H</sub>											ŀ		comments
SW-21 (	(2.0')	3/13/2023		X		C	1	X	X	X		-	+	+	+	-	+	+	-	-	oumpie o	, comments
SW-22 (	(5.5')	3/13/2023		X		C	1	X	X	X		-	-	-	+	+	+	+	-	-		
SW-23 (	(5.5')	3/13/2023		X		С	1	X	X	X		-	-	+	+	+	+	-	-	_		
SW-24 (	(3.5')	3/13/2023		X		С	1	X	X	X		-	-	+	+	+	+	-	_	-		
SW-25 (	(3.5')	3/13/2023		X		С	1	X	X	X		+	-	+	+	+	+		-	-		
SW-26 (	3.5')	3/13/2023		X		С	1	X	X	X		+	-	+	+	+	-		-	-		
SW-27 (	3.5')	3/13/2023		X		С	1	X	X	X		+	+	-	+	+	-	-	-	-		
SW-28 (	3.5')	3/13/2023		X		C	1	X	X	X		-	-	+	+	+	-	$\vdash$	-			
, 5W-2	9 (35)						,	×	X	X		+	-	-	+	+	-		-	-		
* So2	214/23						-	^	^	^		$\rightarrow$	+	+	+	+	+		-	-		
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Date/Time

3/14/23 0819

Released to Imaging: 7/24/2023 2:33:42 PM

Date/Time



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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## 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)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

Applyand By 1H /

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



## 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 - 31 (1.5') (H231221-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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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 - 49 (6') (H231221-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keine



## 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

QUERECHO FEDERAL 2

Project Name: 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 - 54 (6') (H231221-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.2	% 49.1-14	8						

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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 - 55 (4') (H231221-05)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celey D. Keine



## 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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keene



## 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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

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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 - 63 (4') (H231221-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

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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 - 64 (4') (H231221-10)

EX 8021B	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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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 - 65 (4') (H231221-11)

		By: JH				
Analyte F	orting Limit Analyzed	Method Blank BS	% Recovery	True Value QC	RPD	Qualifier
* <	0.050 03/17/2023	ND 2.05	103	2.00	1.88	
<	0.050 03/17/2023	ND 2.06	103	2.00	1.07	
zene* <	0.050 03/17/2023	ND 2.14	107	2.00	1.96	
enes* <	0.150 03/17/2023	ND 6.62	110	6.00	2.13	
EX <	0.300 03/17/2023	ND				
e: 4-Bromofluorobenzene (PID	71.5-134					
SM4500CI-B	Analyzed E	By: GM				
Analyte F	orting Limit Analyzed	Method Blank BS	% Recovery	True Value QC	RPD	Qualifier
•	16.0 03/20/2023	ND 400	100	400	3.92	
5М	Analyzed E	By: MS				
Analyte F	orting Limit Analyzed	Method Blank BS	% Recovery	True Value QC	RPD	Qualifier
C10* <	10.0 03/17/2023	ND 234	117	200	29.5	
.0-C28* <	10.0 03/17/2023	ND 226	113	200	28.9	
>C28-C36 <	10.0 03/17/2023	ND				
	-					
e: 1-Chlorooctane	48.2-134					
Analyte F  5M  Analyte F  C10*  <	orting Limit Analyzed  16.0 03/20/2023  Analyzed E  Orting Limit Analyzed  10.0 03/17/2023  10.0 03/17/2023	Method Blank BS ND 400 By: MS  Method Blank BS ND 234 ND 226	10 % Rec 11	covery	00 400 covery True Value QC 17 200	200 400 3.92 covery True Value QC RPD 29.5

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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

QUERECHO FEDERAL 2

Project Name: QUER 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 - 66 (4') (H231221-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.7	% 49.1-14	8						

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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 - 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

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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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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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 - 69 (4') (H231221-15)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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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 - 70 (4') (H231221-16)

Recovery T 103 103 107 110	2.00 2.00 2.00 2.00 6.00	1.88 1.07 1.96 2.13	Qualifier
103 107	2.00 2.00	1.07 1.96	
107	2.00	1.96	
110	6.00	2.13	
Recovery T	True Value QC	RPD	Qualifier
100	400	7.69	
Recovery T	True Value QC	RPD	Qualifier
117	200	29.5	
113	200	28.9	
	100 Recovery 1	100 400  Recovery True Value QC  117 200	100 400 7.69  Recovery True Value QC RPD  117 200 29.5

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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 - 15 (1') (H231221-17)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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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 - 16 (1') (H231221-18)

BTEX 8021B	mg/kg		Analyze	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	% 71.5-13	4						
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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.0	% 49.1-14	8						

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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 - 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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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 - 25 (4') (H231221-20)

BTEX 8021B	mg/kg		Analyze	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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

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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 - 26 (4') (H231221-21)

BTEX 8021B	mg/kg		Analyze	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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.3	% 49.1-14	8						

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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	Analyze	ed 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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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  $6^{\circ}\text{C}$ 

Samples reported on an as received basis (wet) unless otherwise noted on report

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# Chain of Custody

Work Order No:	H231221	5 of 27	
		었	

Project Manager	Conner I	Moehrin	na			Bill to: (if d	lifferent)	-	Todd V	Vells					4 1					Comments	-
Project Manager:	Carmona					Company			EOG F	Resour	ces							T PRE	Prov	wnfields R	C perfund
Company Name:	310 W V					Address:			5509 0	Champ	ions Dr					State of P			_	-	П.
Address:						City, State	e ZIP:		Midlan	nd, Tx 7	9706							Level			
City, State ZIP:	Midland,		701		Ema	il: Todd W		aresour							1	Deliverabl	es: EDI		ADa	PT Oth	ier:
hone:	432-813	-6823			Ellid	H. Toud VI	Chologod	grooda					ANIAI	veie i	DEOUI	еет				Prese	vative Codes
Project Name:		Que	erecho Federa	al 2	-	n Around		Pres.					ANAL	YSIS F	KEQUE	162	T	Т		None: NO	DI Water: H
roject Number:			1230		Routine	✓ Rush	)	Code			-	-	_		-	-	+	++	+	Cool: Cool	MeOH: Me
Project Location		Lea C	County, New N	1exico	Due Date:	24 H	ours			6										HCL: HC	HNO <sub>3</sub> : HN
Sampler's Name:			MM							MR				1 1						H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
PO#:								6.3		9	_	- 1						1 1		H <sub>3</sub> PO <sub>4</sub> : HP	
SAMPLE RECE	EIPT	Ten	p Blank:	Yes No	Wet Ice:		No	met	21B	+ DR	4500							1 1		NaHSO <sub>4</sub> : NA	BIS
Received Intact:			No No	Thermometer II	D:	11		Parameter	BTEX 8021B	80	ride									Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : Na	
Cooler Custody Se	als:	Yes	No (N/A)	Correction Fact			6è	4	BTE	16	Chloride 4500									Zn Acetate+	
Sample Custody Se	eals:	Yes	No N/A	Temperature R		- 5,			-	TPH 8015M ( GRO + DRO + MRO)	٦										rbic Acid: SAPC
Total Containers:				Corrected Tem	perature:	- 6.	3:		1	1 8 H								1 1			
Sample Id	entification	1	Date	Time	Soil	Water	Grab/ Comp	# of Cont		F						_	+		+	Samp	le Comments
CS-2	26 (4')		3/16/2023		Х		С	1	X	X	X		_	-		-	+	++	+	-	
CS-3	1 (1.5')		3/16/2023		X		С	1	X	X	Х	_		-	$\vdash$	-	+	+++	-	+	
CS-4	19 (6")		3/16/2023		X		C	1	X	X	Х			-		-	-	++	-	-	
CS-5	64 (6')		3/16/2023		X		C	1	X	X	Х		-	-	$\vdash$	-	-	+	-	_	
CS-5	55 (4')		3/16/2023		X		C	1	X	X	Χ		_	+		-	+	++	-	+	
CS-5	59 (4')		3/16/2023		X		С	1	X	X	X		-	-		-	-	+	-		
	61 (4')		3/16/2023		X		C	1	X	X	X			-			+	+	+	-	
	62 (4')		3/16/2023		X		C	1	X	X	X		_	-			+	+	-	+	
	63 (4')		3/16/2023		X		С	1	X	X	X			-			+	+	-	-	
	34 (4')		3/16/2023		X		C	1	X	X	X										
Comments: Em		e Carm		ona@carmon	aresources.co	om and Co	onner M	oehring	/ Cmc	oehrir	ng@car	monare	source	s.com							
			Relinquished	by: (Signature	)				Date	/Time			1		Recei	ived by:	(Signal	ure) /	//	2	Date/Time
Now	Mou	u	/					3-1	7-23	3 0	810	1	1/1	1110	MA	the	AA	10	X		
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	1																				
									_												

7/24/2023 2:33:42 PM Released to Imaging:

Work Orde	r No:	H23	1221	4 07

Company Name: Carmon Address: 310 W V	Moehring na Resources Wall St Ste 415 d, TX 79701 3-6823 Querecho Feder			Bill to: (if di										_	_								_
Address: 310 W V City, State ZIP: Midland Phone: 432-813 Project Name:	Wall St Ste 415 d, TX 79701 3-6823				Name:		EOG F	Resour	ces						Progr	am: US	ST/PS	T PF	RP [	rown	fields RC	perfund	L
City, State ZIP: Midland Phone: 432-813 Project Name:	d, TX 79701 3-6823			Address:			5509 C	hamp	ions Dr						State							_	
Phone: 432-813 Project Name:	3-6823			City, State	7IP-		Midlan	d. Tx 7	9706									Leve				Level IV	П
Project Name:			Emai	: Todd W											Delive	rables:	EDD		1	ADaPT	T □ Othe	er:	
	Querecho Feder		Emai	I, Toud VV	CHOLOGOO	greeda					***	ALV	cie r	DEOL	JEST						Presen	vative Codes	
Project Number:		al 2		n Around		Pres.					AN	ALY	212 1	KEUI	JEST						None: NO	DI Water: I	1,0
	1230		Routine	✓ Rush		Code	-	-	-	-	+	+	-								Cool: Cool	MeOH: Me	-
Project Location	Lea County, New N	/lexico	Due Date:	24 H	ours			6													HCL: HC	HNO <sub>3</sub> : HN	
Sampler's Name:	MM							MR													H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
PO #:						ters		02													H <sub>3</sub> PO <sub>4</sub> : HP		
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes		Parameters	BTEX 8021B	+ D	4500												NaHSO <sub>4</sub> : NA	BIS	
Received Intact:	Yes No	Thermometer II		11/3		Para	08 X	SRO	Chloride												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : Na	SO <sub>3</sub>	
Cooler Custody Seals:	Yes No (N/A)	Correction Fact		-0.0	70		BTE	M (	Chlo												Zn Acetate+N		
Sample Custody Seals:	Yes No N/A	Temperature R Corrected Tem		-5,	30			3015													NaOH+Ascor	rbic Acid: SAPC	
Total Containers:	Pate	Time	Soil Soil	Water	Grab/	# of		TPH 8015M ( GRO + DRO + MRO)													Sampl	e Comments	Ī
Sample Identification	on Date	Time		110101	Comp	Cont		. v		-	+	+											
CS-65 (4')	3/16/2023		X		С	1	X	X	X	-	+	+			+								
CS-66 (4')	3/16/2023		X		С	1	X	X	X	-	+	-			-		-	-					
CS-67 (4')	3/16/2023		X		С	1	X	X	X		+	-			+					-			
CS-68 (4')	3/16/2023		X		С	1	X	X	X		+	-			-			-		1			
CS-69 (4')	3/16/2023		X		С	1	X	X	X		-	-		-	+	-	-	-	-	1			
CS-70 (4')	3/16/2023		X		С	1	X	X	X	-	+	-	_	-	-	-		+		1			
SW-15 (1')	3/16/2023		X		С	1	X	X	X	-	-	-	_	-	+	-	-	-		1			
SW-16 (1')	3/16/2023		X	1	С	1	X	X	X		-	-	_	-	+	-	-	+		1			
SW-24 (3.5-4')	3/16/2023		X		С	1	X	X	X		+	-	-	-	+	-	-	+	-	+			
SW-16 (1) SW-24 (3.5-4') SW-25 (4')	3/16/2023		X		C	1	X	X	X					_				_	_	_			

SW-15 (1')	3/16/2023	X	С	'	1^	^	^	+	-		_	_							
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	С	1	X	X	X												
is. Linui to mino ou	armona / Mcarmona@carn	101101101101111111111111111111111111111		outhing															
				J							Door	lead h	a- 196	natu	re)				Date/Time
					Date/						Recei				re)				Date/Time
					Date/	Time									re)				Date/Time
	Relinquished by: (Signat			3-1-	Date/	Time									re)				Date/Time

Work Order No:	H23/221	of 27
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		27
		<u>g</u>

ompany Name: Coddress: 3	Conner Moeh	ring			Bill to: (if d	(ifferent)		Todd 1	Wells									V	Vork C	order (	Comments	
ddress: 3	Carmona Res				Company				Resour	ces					F	rogran	n: UST/F	ST [	PRP [	rown	nfields RC	perfun
					Address:	Tagino.				ions Dr					s	State of Project:  Reporting:Level II						
ty, State ZIP: N	310 W Wall S				City, State	0.7ID-			nd, Tx						F							Level I
	Midland, TX 7									10100						Delivera	bles: El	DD [		ADaP*	T Other:	
none: 4	432-813-6823	3		Ema	il: Todd W	relis@eo	gresour	ces.cc	3111			- 55										O. d.
roject Name:	C	uerecho Feder	al 2	Tur	n Around		Done					AN	VALYS	SIS R	EQUI	EST	-	-	-	_		tive Code
roject Number:		1230		Routine	✓ Rush	1	Pres. Code							_	-	-	_	-	+	-	None: NO	DI Water:
roject Location	Lea	County, New N	Лехісо	Due Date:	24 H	ours			_												Cool: Cool	MeOH: M
ampler's Name:		MM							MRO)							- 1					HCL: HC	HNO3: HI
0#:							SI		+												H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: N
AMPLE RECEIP	PT T	emp Blank:	Yes No	Wet Ice:		No	nete	E .	DRC	4500											H₃PO₄: HP	
eceived Intact:		Yes No	Thermometer II	D:	71	3	Parameters	BTEX 8021B	TPH 8015M ( GRO + DRO +	de 4											NaHSO4: NABIS	
ooler Custody Seals:	1	No (N/A)	Correction Fact	tor:	-0.	600	4	EX	(GF	Chloride											Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO	
ample Custody Seals		No NA	Temperature R	eading:	-5	70		1	15M	Ö											Zn Acetate+Na0 NaOH+Ascorbio	
otal Containers:		-	Corrected Tem	perature:	1-6	.3:			1 80												NaOH+ASCOIDIO	ACIU. SAF
Sample Identi	tification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPI										L		Sample	Commen
SW-26 (	(4')	3/16/2023		X	100	С	1	X	X	X						_	_	-	-	-		
SW-27 (	(4')	3/16/2023		X		С	1	X	X	X							_	_	+	+		
																_		+		-		
		-																	-	-		
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Comments: Email							ochring	1 Con	anhrin	amca	rmonai	rosour	cos c	om								

Released to Imaging: 7/24/2023 2:33:42 PM

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

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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:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	213071
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By		Condition Date
nvelez	None	7/24/2023