

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Mamba 30 State Com 744/745
Lea County, New Mexico
Unit O Sec 30 T24S R33E
Incident #: NAPP2213054038
32.182000°, -103.607500°

Reuse Water Release
Point of Release: Overflow of Frac Tanks
Release Date: 05/03/2022
Volume Released: 272 barrels of Reuse Water
Volume Recovered: 260 barrels of Reuse Water

CARMONA RESOURCES



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

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

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Midland TX, 79701
432.813.1992

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October 13, 2022

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

**Re: Closure Report
Mamba 30 State Com #744/745
EOG Resources Inc.
Incident ID NAPP2213054038
Site Location: Unit O, S30, T24S, R33E
(Lat 32.182000°, Long -104.607500°)
Lea County, New Mexico**

To whom it may concern:

On behalf of EOG Resources Inc. (EOG), Carmona Resources, LLC has prepared this letter to document site activities for Mamba 30 State Com #744/745. The site is located at 32.182000° -104.607500° within Unit O, S30, T24S, 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 May 3, 2022, due to overflowing frac tanks. It resulted in the release of two hundred and seventy-two (272) barrels of reuse water and two hundred and sixty (260) barrels of reuse water being recovered. See figure 3. The initial C-141 form is attached in Appendix C.

On August 4, 2022, the OCD approved the remediation plan with a variance to collect composite confirmation sidewall and bottom hole samples every 400 square feet.

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 sources are within a 0.50-mile radius of the location. The closest well is located approximately 1.24 miles Southeast of the site in S05, T25S, R33E and was drilled in 1948. The well has a reported depth to groundwater of 90' feet below ground surface (ft bgs). A copy of the associated USGS – National Water Information System report is attached in Appendix D.

On August 9, 2022, Scarborough Drilling, Inc was onsite to drill a groundwater determination bore to 55 ft below ground surface and within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below the surface. The coordinates for the groundwater determination bore are 32.182522°, -103.607080°. See Appendix D for the driller's log.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.

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- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

4.0 Site Assessment Activities

Trenches

On July 19, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. Three (3) trenches and four (4) horizontal sample points were advanced to depths ranging from the surface to 6' bgs inside and surrounding the release area to assess the vertical and horizontal extent. See Figure 3 for the sample locations. 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 Eurofins Laboratories in Midland, Texas. 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 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

The areas (T-1, T-2, and T-3) showed TPH, benzene, and total BTEX below the reporting limits. However, area T-1 showed a high chloride concentration of 2,130 mg/kg at 6' bgs and was not vertically defined due to a dense formation layer. The area of T-2 showed elevated chloride concentrations at the surface to 2.0' bgs, then declined with depth. The area of T-3 showed high chloride concentrations at the surface to 4.0' bgs, then decreased with depth showing a concentration of 502 mg/kg at 5.0' bgs. All horizontal samples were defined except area H-1.

The results of the sampling are summarized in Table 1. See Figure 3 for the sample locations.

Drilling Activities

On August 9, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts from the release with an air rotary rig due to the dense formation encountered at a depth of 6.0' bgs. One (1) borehole and one (1) horizontal sample point was advanced to depths ranging from the surface to 10' bgs inside and surrounding the release area to assess the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

The results of the sampling are summarized in Table 1. See Figure 3 for the sample locations.

5.0 Remediation Activities

Carmona Resources personnel were onsite from August 24, 2022, through September 19, 2022, to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOC division office was notified via email on August 23, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of T-1 and T-3 were excavated to a depth of 4'-4.3' bgs to remove all impacted soils. The area of T-2 was excavated to a depth of 3.5' bgs to remove all impacted soils. A total of sixty (60) confirmation samples were collected (CS-1 through CS-60), and thirteen (13) sidewall samples (SW-1 through SW-13) were collected every 400 square feet to ensure proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified,

CARMONA RESOURCES



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 sampling results are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 4,664 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

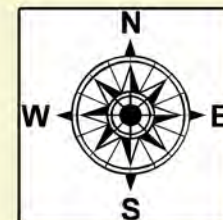
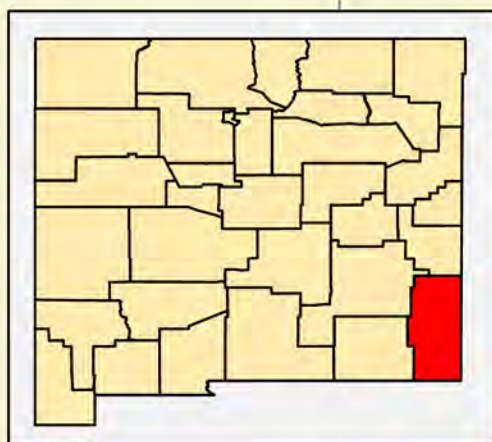
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES





120

128

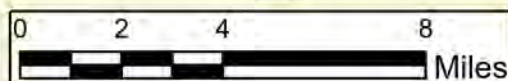
W FM Highway 128



Ochoa

Ochoa Rd

652



Legend

★ Site Location

OVERVIEW MAP EOG RESOURCES

MAMBA 30 STATE COM #744/745
LEA COUNTY, NEW MEXICO
32.182000, -103.607500

SCALE: As Shown

Date: 7/20/2022



Carmona Resources
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NOTES:

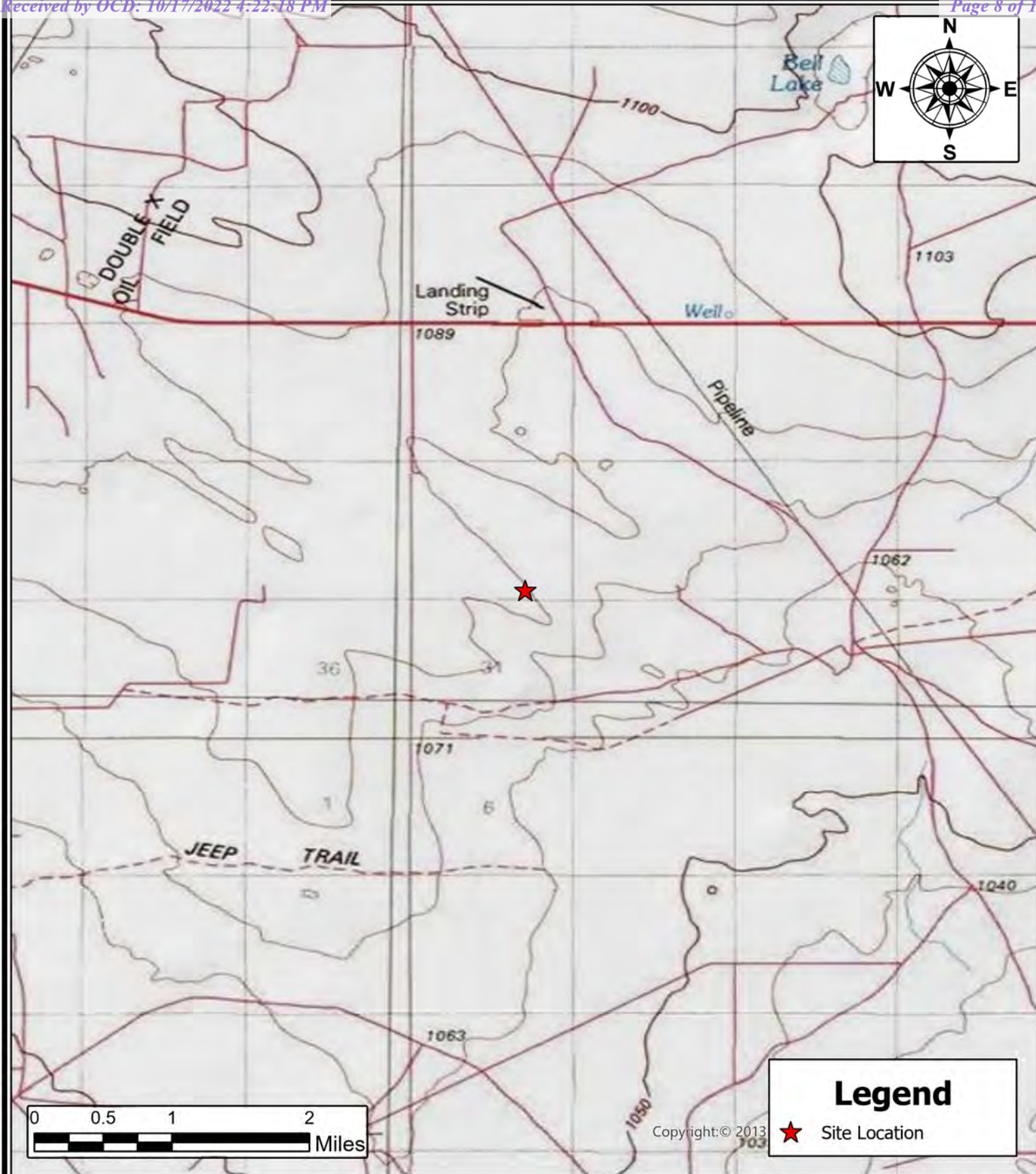
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1



TOPOGRAPHIC MAP
EOG RESOURCES
MAMBA 30 STATE COM #744/745
LEA COUNTY, NEW MEXICO
32.182000, -103.607500

SCALE: As Shown

Date: 7/20/2022



Carmona Resources
310 West Wall Street, Suite 415
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NOTES:

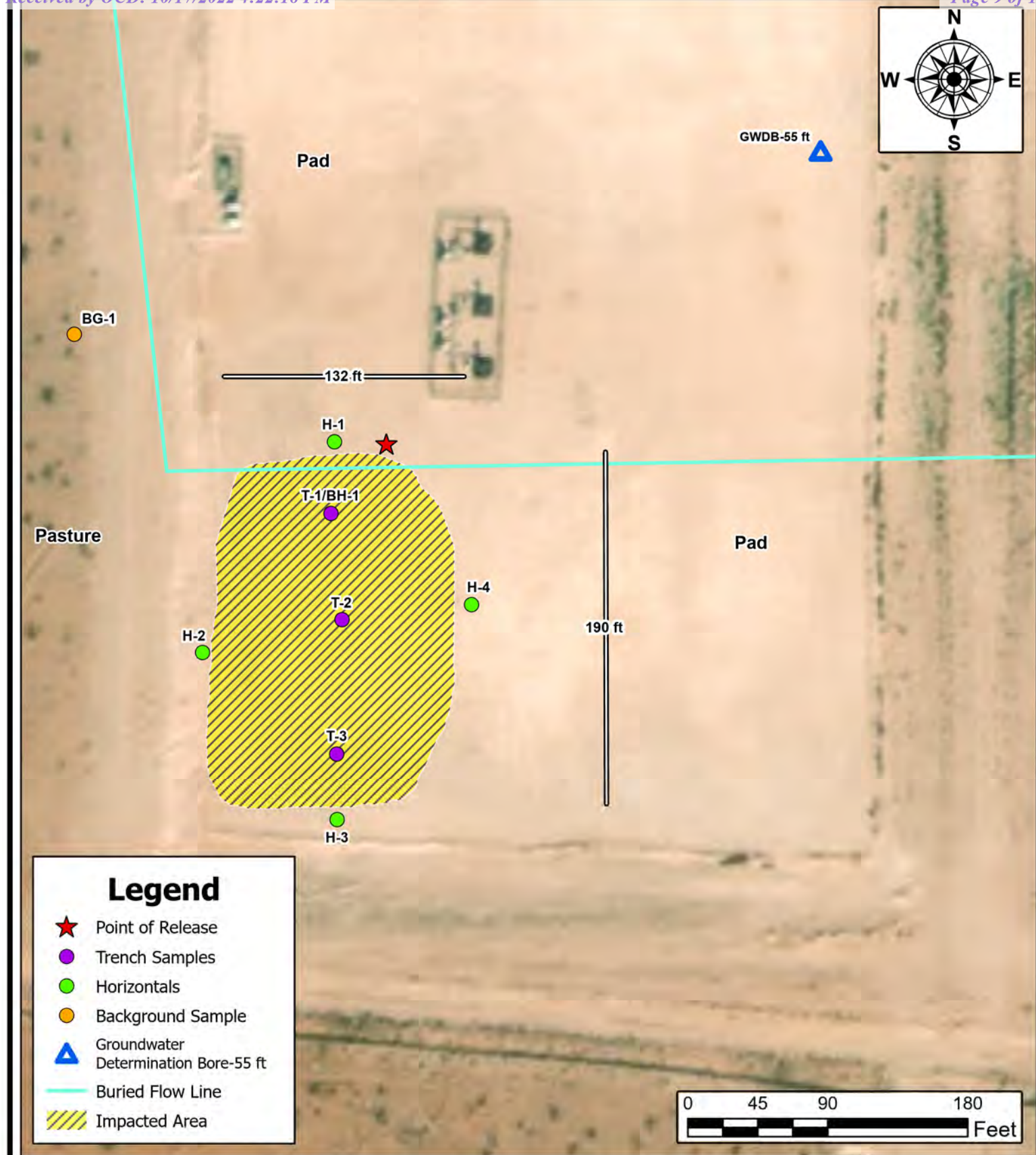
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1



SAMPLE LOCATION MAP
EOG RESOURCES
 MAMBA 30 STATE COM #744/745
 LEA COUNTY, NEW MEXICO
 32.182000, -103.607500

SCALE: As Shown

Date: 8/16/2022



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

NOTES:

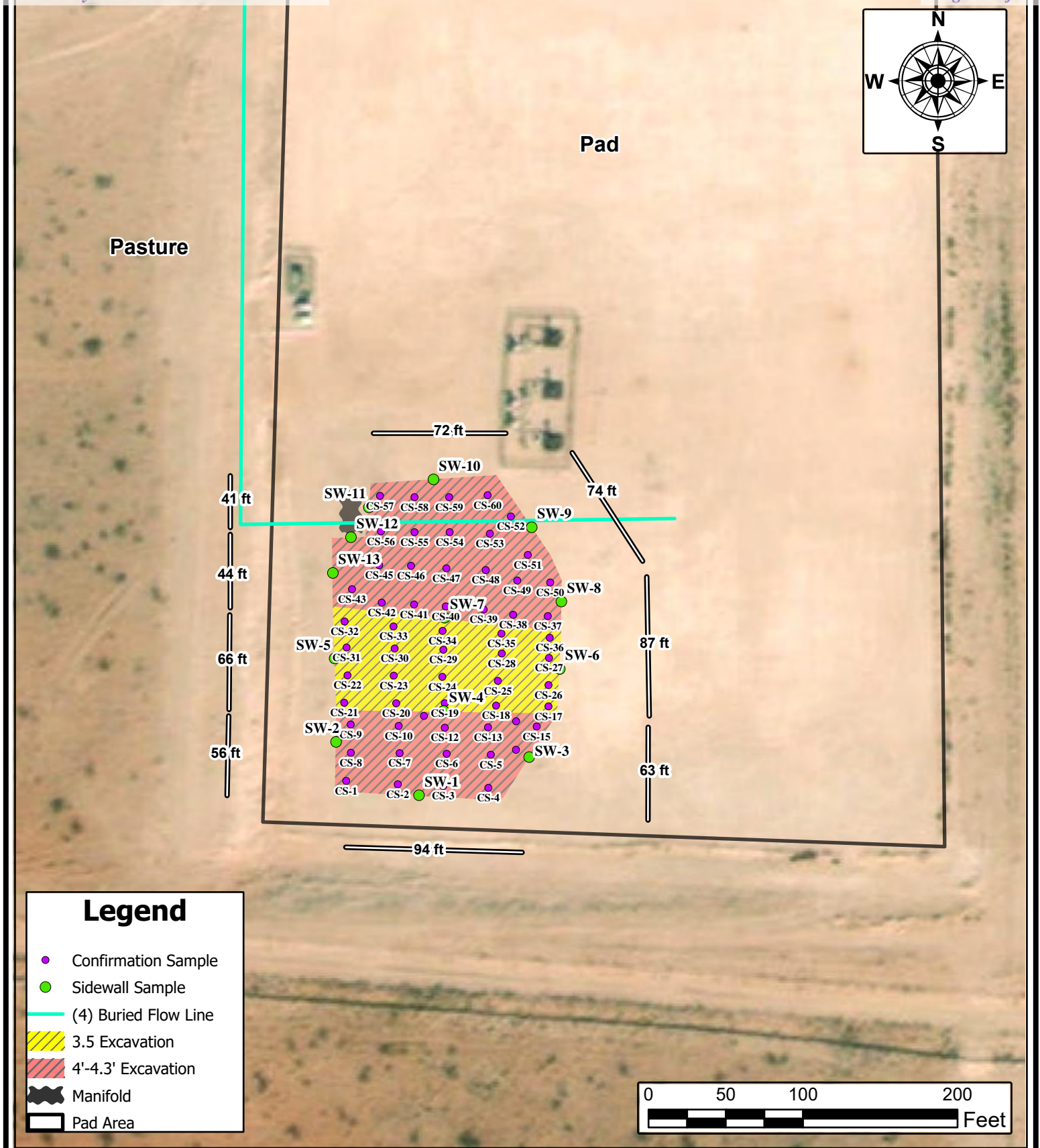
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1



<p>EXCAVATION DEPTH MAP EOG RESOURCES MAMBA 30 STATE COM #744/755 LEA COUNTY, NEW MEXICO 32.182000, -103.607500</p>		<p> Carmona Resources 310 West Wall Street, Suite 415 Midland, Texas 79701</p>	<p><u>NOTES:</u></p> <p>1. Base Image: ESRI Maps & Data 2022 2. Map Projection: WGS84</p>	<p>DRAWING NUMBER:</p>	
				<p>FIGURE 4</p>	
				<p>SHEET NUMBER:</p>	
				<p>1 of 1</p>	
<p>SCALE: As Shown</p>		<p>Date: 9/28/2022</p>			

APPENDIX A

CARMONA RESOURCES



Table 1
EOG
Mamba 30 State Com #744-745
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			GRO	DRO	MRO	Total							
T-1	7/19/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,040	
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	170	
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	98.1	
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,160	
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,480	
	"	6.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,130	
BH-1	8/9/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,280	
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,170	
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,320	
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,200	
	"	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,760	
	"	6.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,640	
	"	7.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,880	
	"	8.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,390	
T-2	7/19/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	9,120	
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,090	
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	592	
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	458	
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	19.8	
T-3	7/19/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,960	
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,860	
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,840	
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6,330	
	"	5.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	502	
	"	6.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	546	
Background-1	7/19/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.6	
H-1	7/19/2022	0-0.5	<49.8	348	<49.8	348	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,110	
	8/9/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160	
H-2	7/19/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	12.1	
H-3	7/19/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	25.2	
H-4	7/19/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	24.3	
Regulatory Criteria ^A			1,000 mg/kg				2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) Horizontal

(T) Trench

(BH) Bore Hole

 Removed

Table 2
EOG
Mamba 30 State Com #744-745
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-3	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-5	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
CS-6	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-7	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-8	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-9	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-10	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-11	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,410
CS-12	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-13	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-14	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-15	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-16	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-17	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-18	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-19	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-20	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Regulatory Criteria ^A			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 2
EOG
Mamba 30 State Com #744-745
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-21	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-22	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-23	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-24	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-25	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-26	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-27	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-28	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-29	9/8/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-30	9/8/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS-31	9/8/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-32	9/8/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-33	9/8/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-34	9/8/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-35	9/8/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-36	9/8/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-37	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-38	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-39	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-40	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
<i>Regulatory Criteria</i> ^A			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 2
EOG
Mamba 30 State Com #744-745
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-41	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-42	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-43	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-44	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-45	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-46	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	544
CS-47	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-48	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-49	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-50	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-51	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-52	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-53	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-54	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-55	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-56	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-57	9/8/2022	4-4.3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-58	9/8/2022	4-4.3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,280
CS-59	9/8/2022	4-4.3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,600
CS-60	9/8/2022	4-4.3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,120
Regulatory Criteria^A			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 2
EOG
Mamba 30 State Com #744-745
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-2	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
SW-3	8/26/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-4	8/26/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
SW-5	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-6	9/1/2022	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-7	9/8/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-8	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	784
	9/9/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
SW-9	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
SW-10	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
SW-11	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
SW-12	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-13	9/8/2022	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
Regulatory Criteria ^A			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall Sample

Removed

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

EOG Resources

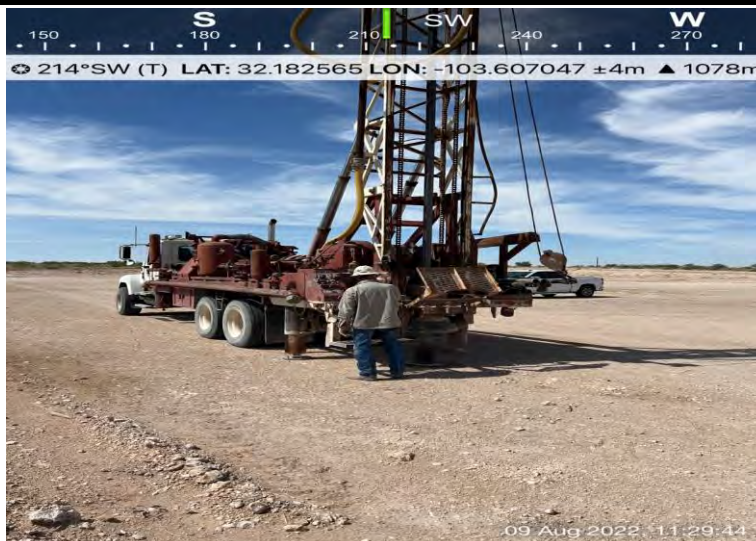
Photograph No. 1

Facility: Mamba 30 State Com 744/745

County: Lea County, New Mexico

Description:

View Southwest, of drilling the GWDB.



Photograph No. 2

Facility: Mamba 30 State Com 744/745

County: Lea County, New Mexico

Description:

View North, areas of confirmation samples (1-60).



Photograph No. 3

Facility: Mamba 30 State Com 744/745

County: Lea County, New Mexico

Description:

View Northeast, areas of confirmation samples (1-60).



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	nAPP2213054038
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # (assigned by OCD) nAPP2213054038
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.182000° Longitude -103.607500°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Mamba 30 State Com #744/745	Site Type Well Pad
Date Release Discovered 5/3/22	API# (if applicable)

Unit Letter	Section	Township	Range	County
O	30	24S	33E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Reuse Water	Volume Released (bbls) 272	Volume Recovered (bbls) 260
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The operator was filling the frac tanks faster than the water was being used and overflowed the tanks. This released approximately 272 bbls of treated reuse water in containment and some on the pad with 260 bbls recovered.

Incident ID	NAPP2213054038
District RP	
Facility ID	
Application ID	105768

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? E-mail notification to the OCD Enviro Inbox on 5/4/22.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: <u>Todd Wells</u> Title: <u>Environmental Specialist</u> Signature: <u>Todd Wells</u> Date: <u>5/10/22</u> email: <u>Todd_Wells@eogresources.com</u> Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>05/10/2022</u>

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 10/18/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 10/18/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 11/04/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

From: Mike Carmona
Sent: Tuesday, August 23, 2022 10:59 AM
To: OCD.Enviro@state.nm.us
Cc: Conner Moehring; Todd Wells
Subject: EOG Mamba 30 State Com #744-745 Sampling Notification Incident #nAPP2213054038

Good Morning,

On behalf of EOG, Carmona Resources will collect confirmation samples at the below-referenced site on 08/25/22 around 10:00 a.m. Mountain Time. Please let me know if you have any questions.

EOG Mamba 30 State Com #744-745
Incident # nAPP2213054038
32.182014°, -103.608086°
Lea County, New Mexico

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



APPENDIX D

CARMONA RESOURCES



Groundwater Determination Bore

EOG Resources

Legend

- 0.50 Mile Radius
- 55' GWBD
- Mamba 30 State Com #744/745
- Pad Area



55' GWBD

Mamba 30 State Com #744/745

NEAREST WATER WELL

EOG RESOURCES













Legend

- 0.50 Mile Radius
- 1.24 Miles
- 1.27 Miles
- Mamba 20 State Com #744-745
- NMSEO Water Well
- USGS Water Well





Project Name :	Mamba 30 State Com #744/745	Date :	Tuesday, August 9, 2022
Project No. :	1085	Sampler :	Mike Carmona
Location :	Lea County, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.182522°, -103.607080°	Method :	Air Rotary
Elevation :	3,559		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0'-1') - White well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GW).		50		(50') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).	
5		(5') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		55		(55') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).	
10		(10') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		60			
15		(15') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		65			
20		(20') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		70			
25		(25') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		75			
30		(30') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		80			
35		(35') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		85			
40		(40') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		90			
45		(45') - Light brown well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GM).		95			
50				105			

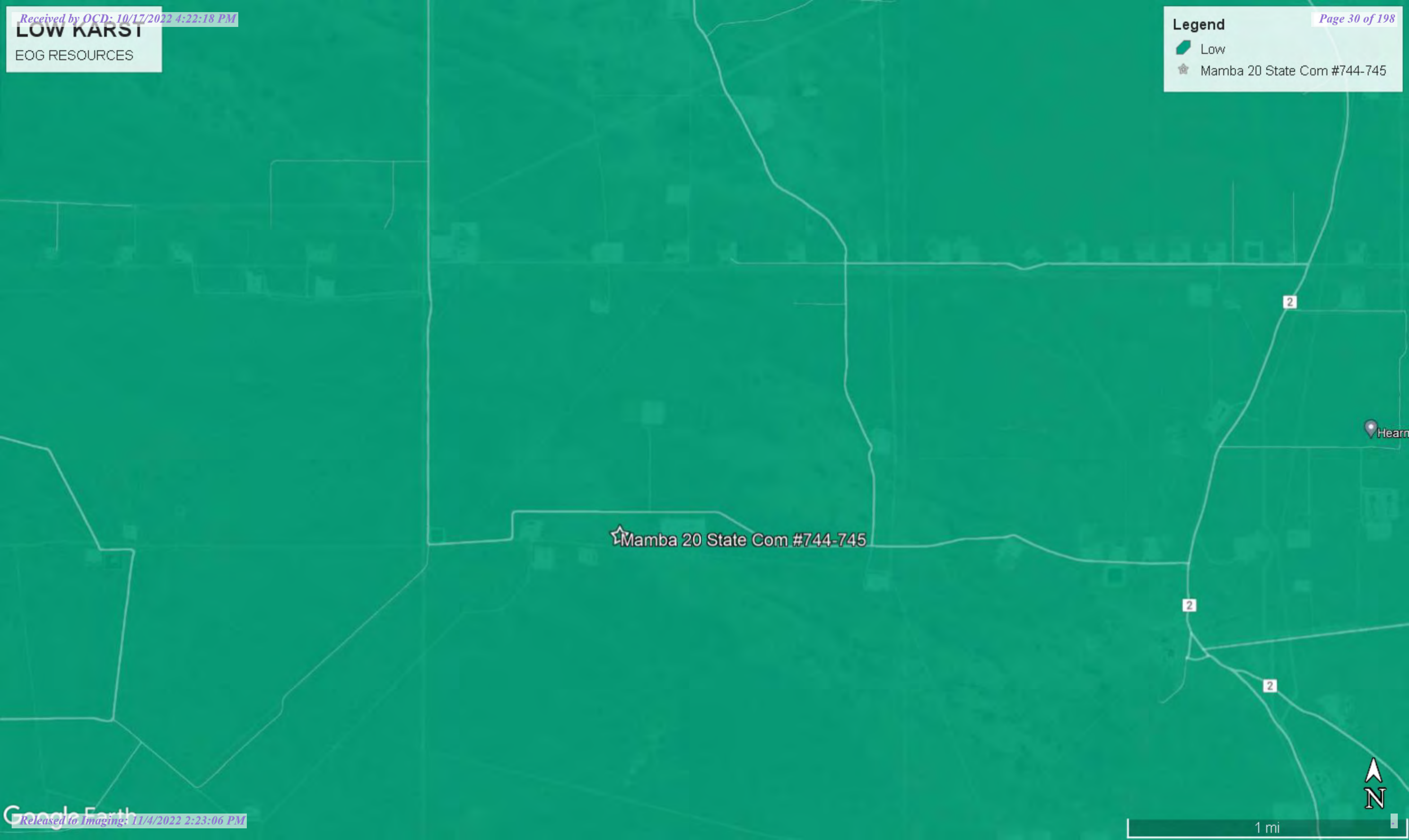
Comments : Boring terminated at 55' with no presence of groundwater or moisture.
Well measured 8/15/22 with no detection of groundwater

LOW KARST

EOG RESOURCES

Legend

- Low
- Mamba 20 State Com #744-745





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02890	C	LE		2	4	29	24S	33E		633114	3562012*	1973	500		
C 02312	CUB	LE		1	2	1	05	25S	33E	632292	3559772	1999	150	90	60
C 04622 POD1	CUB	LE		3	3	4	24	24S	32E	629436	3563006	2360			
C 02311	CUB	LE		2	3	2	33	24S	33E	634391	3560877	3225	120	70	50
C 02310	CUB	LE		2	4	2	33	24S	33E	634420	3560893	3250	120	70	50
C 02563	CUB	LE		1	4	2	33	24S	33E	634639	3560923*	3461	120		
C 02564	CUB	LE		2	4	2	33	24S	33E	634839	3560923*	3659	120		
C 02431	CUB	LE		4	4	4	17	24S	33E	633175	3564728*	3808	525	415	110
C 02432	CUB	LE		4	4	4	17	24S	33E	633175	3564728*	3808	640	415	225
C 02430	CUB	LE		3	3	3	16	24S	33E	633377	3564732*	3919	643	415	228

Average Depth to Water: **245 feet**

Minimum Depth: **70 feet**

Maximum Depth: **415 feet**

Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 631218.94

Northing (Y): 3561459.88

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.

7/13/22 1:19 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
NA	C 02312	1	2	1	05	25S	33E	632292	3559772
Driller License:		Driller Company:							
Driller Name:		UNKNOWN							
Drill Start Date:		01/01/1948		Drill Finish Date:		06/30/1948		Plug Date:	
Log File Date:				PCW Rev Date:				Source:	
Pump Type:				Pipe Discharge Size:				Estimated Yield: 20 GPM	
Casing Size:		6.38		Depth Well:		150 feet		Depth Water: 90 feet	

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



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320956103353801

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320956103353801 25S.33E.05.12122

Lea County, New Mexico

Latitude 32°09'59.4", Longitude 103°35'47.2" NAD83

Land-surface elevation 3,473.00 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1981-03-25			D	62610	3365.17	NGVD29	1	Z		
1981-03-25			D	62611	3366.84	NAVD88	1	Z		
1981-03-25			D	72019	107.83		1	Z		
1986-03-12			D	62610	3363.66	NGVD29	1	Z		
1986-03-12			D	62611	3365.33	NAVD88	1	Z		
1986-03-12			D	72019	109.34		1	Z		
1991-06-06			D	62610	3365.42	NGVD29	1	Z		
1991-06-06			D	62611	3367.09	NAVD88	1	Z		
1991-06-06			D	72019	107.58		1	Z		
1996-03-07			D	62610	3364.11	NGVD29	P	S		
1996-03-07			D	62611	3365.78	NAVD88	P	S		
1996-03-07			D	72019	108.89		P	S		
2013-01-17	16:00 UTC		m	62610	3354.19	NGVD29	P	S		USGS
2013-01-17	16:00 UTC		m	62611	3355.86	NAVD88	P	S		USGS
2013-01-17	16:00 UTC		m	72019	118.81		P	S		USGS

Explanation

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

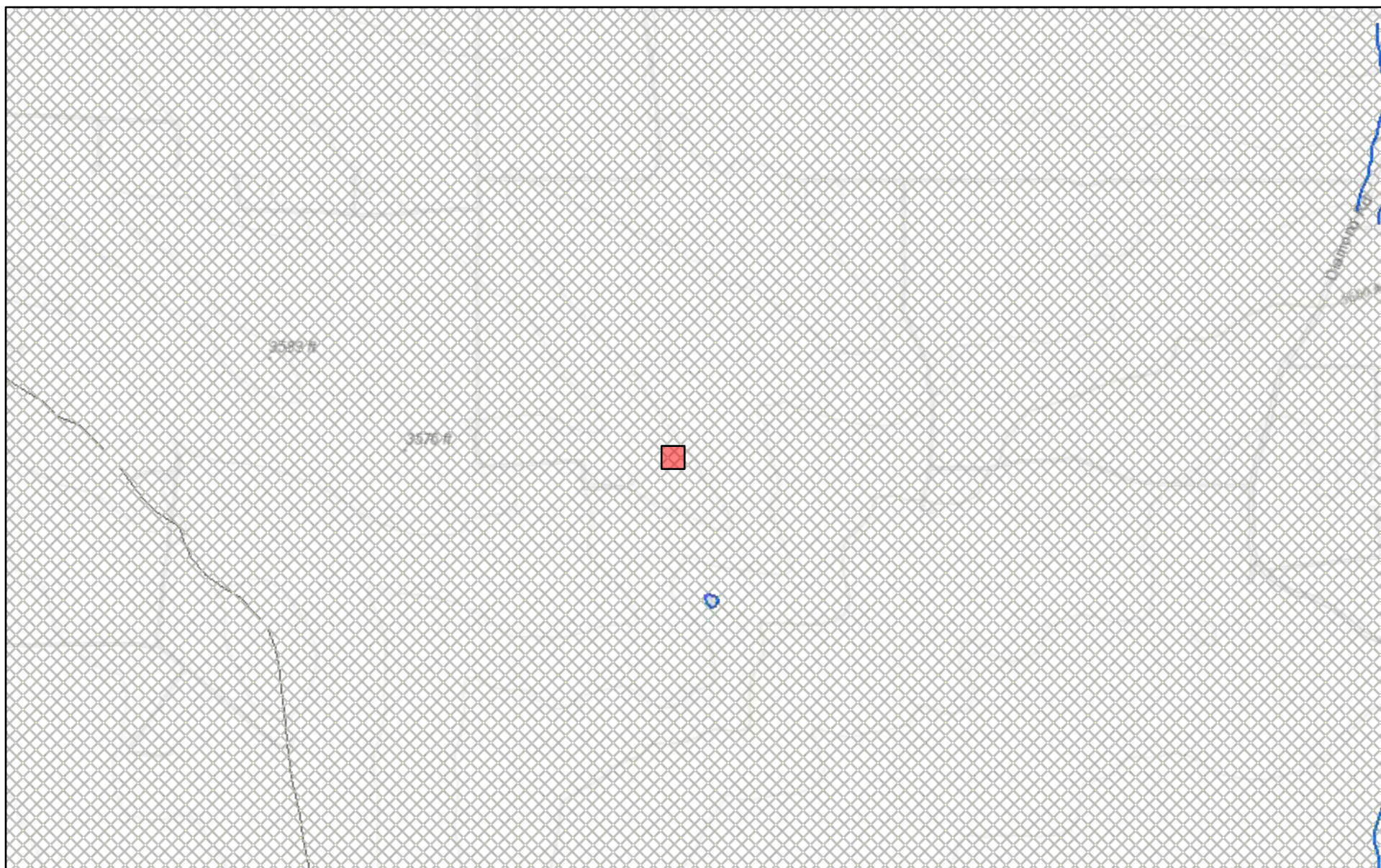
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Page Last Modified: 2022-07-14 16:01:24 EDT

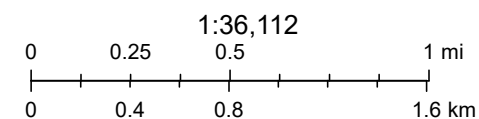
0.28 0.24 nadww02



New Mexico NFHL Data



July 13, 2022



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing
America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-17140-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Mamba 30 State Com #744-745
Revision: 1

For:

Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Ashton Thielke

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
7/26/2022 7:00:18 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

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results through



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Laboratory Job ID: 880-17140-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
♠	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Eurofins Midland

Definitions/Glossary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Case Narrative

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Job ID: 880-17140-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-17140-1

REVISION

The report being provided is a revision of the original report sent on 7/25/2022. The report (revision 1) is being revised due to Per client email, requesting chloride re run on T-3 (6').

Report revision history

Receipt

The samples were received on 7/20/2022 8:27 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-3 (6')R (880-17140-22). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-30237 and analytical batch 880-30480 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) samples: (880-17140-A-1-E MS) and (880-17140-A-1-F MSD). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-30311 and analytical batch 880-30249 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-30363 and analytical batch 880-30368 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-30130 and analytical batch 880-30297 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-17140-1

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1 F2	0.00201		mg/Kg		07/21/22 12:03	07/24/22 15:39	1
Toluene	<0.00201	U F1 F2	0.00201		mg/Kg		07/21/22 12:03	07/24/22 15:39	1
Ethylbenzene	<0.00201	U F1 F2	0.00201		mg/Kg		07/21/22 12:03	07/24/22 15:39	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		07/21/22 12:03	07/24/22 15:39	1
o-Xylene	<0.00201	U F1 F2	0.00201		mg/Kg		07/21/22 12:03	07/24/22 15:39	1
Xylenes, Total	<0.00402	U F1 F2	0.00402		mg/Kg		07/21/22 12:03	07/24/22 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/21/22 12:03	07/24/22 15:39	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/21/22 12:03	07/24/22 15:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	348		49.8		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/21/22 17:17	07/22/22 09:31	1
Diesel Range Organics (Over C10-C28)	348		49.8		mg/Kg		07/21/22 17:17	07/22/22 09:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/21/22 17:17	07/22/22 09:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/21/22 17:17	07/22/22 09:31	1
o-Terphenyl	112		70 - 130	07/21/22 17:17	07/22/22 09:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110	F1	25.2		mg/Kg			07/22/22 06:23	5

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-17140-2

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 16:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 16:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 16:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/21/22 12:03	07/24/22 16:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 16:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/21/22 12:03	07/24/22 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/21/22 12:03	07/24/22 16:06	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/21/22 12:03	07/24/22 16:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-17140-2

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/22 10:19	07/22/22 12:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/22 10:19	07/22/22 12:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/22 10:19	07/22/22 12:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/22/22 10:19	07/22/22 12:57	1
o-Terphenyl	115		70 - 130				07/22/22 10:19	07/22/22 12:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.1		4.96		mg/Kg			07/22/22 06:47	1

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-17140-3

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 16:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 16:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 16:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/21/22 12:03	07/24/22 16:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 16:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/22 12:03	07/24/22 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				07/21/22 12:03	07/24/22 16:32	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/21/22 12:03	07/24/22 16:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/22 10:19	07/22/22 14:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/22 10:19	07/22/22 14:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-17140-3

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/22 10:19	07/22/22 14:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				07/22/22 10:19	07/22/22 14:02	1
o-Terphenyl	126		70 - 130				07/22/22 10:19	07/22/22 14:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.2		4.97		mg/Kg			07/22/22 06:54	1

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-17140-4

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 16:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 16:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 16:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/22 12:03	07/24/22 16:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 16:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/22 12:03	07/24/22 16:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130				07/21/22 12:03	07/24/22 16:59	1
1,4-Difluorobenzene (Surr)	107		70 - 130				07/21/22 12:03	07/24/22 16:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/22 10:19	07/22/22 14:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/22 10:19	07/22/22 14:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/22 10:19	07/22/22 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				07/22/22 10:19	07/22/22 14:24	1
o-Terphenyl	119		70 - 130				07/22/22 10:19	07/22/22 14:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.3		4.97		mg/Kg			07/22/22 07:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-17140-5

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 17:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 17:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 17:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/22 12:03	07/24/22 17:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 17:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/22 12:03	07/24/22 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/21/22 12:03	07/24/22 17:25	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/21/22 12:03	07/24/22 17:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/22 10:19	07/22/22 14:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/22 10:19	07/22/22 14:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/22 10:19	07/22/22 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	07/22/22 10:19	07/22/22 14:45	1
o-Terphenyl	116		70 - 130	07/22/22 10:19	07/22/22 14:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2040		49.9		mg/Kg			07/22/22 07:10	10

Client Sample ID: T-1 (2')

Lab Sample ID: 880-17140-6

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 17:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 17:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 17:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/22 12:03	07/24/22 17:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 17:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/22 12:03	07/24/22 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/21/22 12:03	07/24/22 17:52	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/21/22 12:03	07/24/22 17:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-1 (2')

Lab Sample ID: 880-17140-6

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/22 10:19	07/22/22 15:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/22 10:19	07/22/22 15:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/22 10:19	07/22/22 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/22/22 10:19	07/22/22 15:07	1
o-Terphenyl	105		70 - 130				07/22/22 10:19	07/22/22 15:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		5.01		mg/Kg			07/22/22 07:34	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-17140-7

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 18:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 18:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 18:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/21/22 12:03	07/24/22 18:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 18:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/21/22 12:03	07/24/22 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/21/22 12:03	07/24/22 18:18	1
1,4-Difluorobenzene (Surr)	111		70 - 130				07/21/22 12:03	07/24/22 18:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/22 10:19	07/22/22 15:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/22 10:19	07/22/22 15:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-1 (3')

Lab Sample ID: 880-17140-7

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/22 10:19	07/22/22 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				07/22/22 10:19	07/22/22 15:28	1
o-Terphenyl	153	S1+	70 - 130				07/22/22 10:19	07/22/22 15:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.1		5.03		mg/Kg			07/22/22 07:41	1

Client Sample ID: T-1 (4')

Lab Sample ID: 880-17140-8

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/24/22 18:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/24/22 18:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/24/22 18:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/21/22 12:03	07/24/22 18:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/24/22 18:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/22 12:03	07/24/22 18:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/21/22 12:03	07/24/22 18:45	1
1,4-Difluorobenzene (Surr)	89		70 - 130				07/21/22 12:03	07/24/22 18:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/22 10:19	07/22/22 15:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/22 10:19	07/22/22 15:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/22 10:19	07/22/22 15:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/22/22 10:19	07/22/22 15:50	1
o-Terphenyl	111		70 - 130				07/22/22 10:19	07/22/22 15:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1160		25.3		mg/Kg			07/22/22 07:49	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-1 (5')

Lab Sample ID: 880-17140-9

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 19:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 19:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 19:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/21/22 12:03	07/24/22 19:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 19:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/22 12:03	07/24/22 19:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/21/22 12:03	07/24/22 19:11	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/21/22 12:03	07/24/22 19:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 16:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 16:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	07/22/22 10:20	07/22/22 16:11	1
o-Terphenyl	119		70 - 130	07/22/22 10:20	07/22/22 16:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1480		25.2		mg/Kg			07/22/22 07:57	5

Client Sample ID: T-1 (6')R

Lab Sample ID: 880-17140-10

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 19:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 19:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 19:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/22 12:03	07/24/22 19:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 19:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/22 12:03	07/24/22 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/21/22 12:03	07/24/22 19:38	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/21/22 12:03	07/24/22 19:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-1 (6')R

Lab Sample ID: 880-17140-10

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 16:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 16:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				07/22/22 10:20	07/22/22 16:33	1
o-Terphenyl	120		70 - 130				07/22/22 10:20	07/22/22 16:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2130		25.2		mg/Kg			07/22/22 08:05	5

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-17140-11

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 21:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 21:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 21:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/21/22 12:03	07/24/22 21:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 21:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/21/22 12:03	07/24/22 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/21/22 12:03	07/24/22 21:25	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/21/22 12:03	07/24/22 21:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 16:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 16:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-17140-11

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/22/22 10:20	07/22/22 16:54	1
o-Terphenyl	100		70 - 130				07/22/22 10:20	07/22/22 16:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9120	F1	50.0		mg/Kg			07/22/22 08:13	10

Client Sample ID: T-2 (2')

Lab Sample ID: 880-17140-12

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/24/22 21:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/24/22 21:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/24/22 21:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/21/22 12:03	07/24/22 21:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/24/22 21:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/22 12:03	07/24/22 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130				07/21/22 12:03	07/24/22 21:51	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/21/22 12:03	07/24/22 21:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 17:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 17:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				07/22/22 10:20	07/22/22 17:37	1
o-Terphenyl	120		70 - 130				07/22/22 10:20	07/22/22 17:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3090		24.9		mg/Kg			07/22/22 08:37	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-2 (3')

Lab Sample ID: 880-17140-13

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 22:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 22:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 22:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/21/22 12:03	07/24/22 22:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 22:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/22 12:03	07/24/22 22:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/21/22 12:03	07/24/22 22:18	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/21/22 12:03	07/24/22 22:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 17:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 17:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	07/22/22 10:20	07/22/22 17:58	1
o-Terphenyl	105		70 - 130	07/22/22 10:20	07/22/22 17:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	592		24.8		mg/Kg			07/22/22 08:44	5

Client Sample ID: T-2 (4')

Lab Sample ID: 880-17140-14

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 22:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 22:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 22:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/22 12:03	07/24/22 22:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/24/22 22:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/22 12:03	07/24/22 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/21/22 12:03	07/24/22 22:44	1
1,4-Difluorobenzene (Surr)	83		70 - 130	07/21/22 12:03	07/24/22 22:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-2 (4')

Lab Sample ID: 880-17140-14

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 18:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 18:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/22/22 10:20	07/22/22 18:20	1
o-Terphenyl	110		70 - 130				07/22/22 10:20	07/22/22 18:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	458		25.0		mg/Kg			07/22/22 09:08	5

Client Sample ID: T-2 (5')

Lab Sample ID: 880-17140-15

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 23:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 23:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 23:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/21/22 12:03	07/24/22 23:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 23:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/21/22 12:03	07/24/22 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				07/21/22 12:03	07/24/22 23:10	1
1,4-Difluorobenzene (Surr)	85		70 - 130				07/21/22 12:03	07/24/22 23:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 18:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 18:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-2 (5')

Date Collected: 07/19/22 00:00

Date Received: 07/20/22 08:27

Lab Sample ID: 880-17140-15

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				07/22/22 10:20	07/22/22 18:41	1
o-Terphenyl	131	S1+	70 - 130				07/22/22 10:20	07/22/22 18:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.8		4.98		mg/Kg			07/22/22 15:10	1

Client Sample ID: T-3 (0-1')

Date Collected: 07/19/22 00:00

Date Received: 07/20/22 08:27

Lab Sample ID: 880-17140-17

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 23:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 23:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 23:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/21/22 12:03	07/24/22 23:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 23:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/22 12:03	07/24/22 23:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/21/22 12:03	07/24/22 23:35	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/21/22 12:03	07/24/22 23:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 19:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 19:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				07/22/22 10:20	07/22/22 19:03	1
o-Terphenyl	130		70 - 130				07/22/22 10:20	07/22/22 19:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6960		50.2		mg/Kg			07/22/22 09:24	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-3 (2')

Lab Sample ID: 880-17140-18

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/25/22 00:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/25/22 00:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/25/22 00:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/22 12:03	07/25/22 00:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/22 12:03	07/25/22 00:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/22 12:03	07/25/22 00:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/21/22 12:03	07/25/22 00:01	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/21/22 12:03	07/25/22 00:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 19:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 19:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	07/22/22 10:20	07/22/22 19:25	1
o-Terphenyl	124		70 - 130	07/22/22 10:20	07/22/22 19:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2860		25.1		mg/Kg			07/22/22 09:32	5

Client Sample ID: T-3 (3')

Lab Sample ID: 880-17140-19

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/25/22 00:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/25/22 00:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/25/22 00:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/21/22 12:03	07/25/22 00:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/25/22 00:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/22 12:03	07/25/22 00:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/21/22 12:03	07/25/22 00:27	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/21/22 12:03	07/25/22 00:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-3 (3')

Lab Sample ID: 880-17140-19

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 19:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 19:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/22 10:20	07/22/22 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/22/22 10:20	07/22/22 19:47	1
o-Terphenyl	111		70 - 130				07/22/22 10:20	07/22/22 19:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4840		49.6		mg/Kg			07/22/22 09:39	10

Client Sample ID: T-3 (4')

Lab Sample ID: 880-17140-20

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/25/22 00:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/25/22 00:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/25/22 00:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/21/22 12:03	07/25/22 00:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/25/22 00:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/21/22 12:03	07/25/22 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				07/21/22 12:03	07/25/22 00:53	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/21/22 12:03	07/25/22 00:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/22 10:20	07/22/22 20:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/22 10:20	07/22/22 20:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-3 (4')

Lab Sample ID: 880-17140-20

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/22 10:20	07/22/22 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/22/22 10:20	07/22/22 20:08	1
o-Terphenyl	120		70 - 130				07/22/22 10:20	07/22/22 20:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6330		49.7		mg/Kg			07/22/22 09:47	10

Client Sample ID: T-3 (5')

Lab Sample ID: 880-17140-21

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/25/22 01:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/25/22 01:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/25/22 01:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/21/22 12:03	07/25/22 01:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/22 12:03	07/25/22 01:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/22 12:03	07/25/22 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				07/21/22 12:03	07/25/22 01:19	1
1,4-Difluorobenzene (Surr)	84		70 - 130				07/21/22 12:03	07/25/22 01:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 20:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 20:30	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/22 10:20	07/22/22 20:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				07/22/22 10:20	07/22/22 20:30	1
o-Terphenyl	137	S1+	70 - 130				07/22/22 10:20	07/22/22 20:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	502		49.7		mg/Kg			07/22/22 09:55	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-3 (6')R

Lab Sample ID: 880-17140-22

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/21/22 09:27	07/21/22 17:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/22 09:27	07/21/22 17:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/22 09:27	07/21/22 17:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/21/22 09:27	07/21/22 17:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/22 09:27	07/21/22 17:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/22 09:27	07/21/22 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	07/21/22 09:27	07/21/22 17:10	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/21/22 09:27	07/21/22 17:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/22 10:20	07/22/22 20:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/22 10:20	07/22/22 20:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/22 10:20	07/22/22 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	07/22/22 10:20	07/22/22 20:52	1
o-Terphenyl	100		70 - 130	07/22/22 10:20	07/22/22 20:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	546		24.8		mg/Kg			07/26/22 14:34	5

Client Sample ID: Background-1 (0-0.5')

Lab Sample ID: 880-17140-23

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/22 09:27	07/21/22 17:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/22 09:27	07/21/22 17:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/22 09:27	07/21/22 17:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/22 09:27	07/21/22 17:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/22 09:27	07/21/22 17:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/22 09:27	07/21/22 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	07/21/22 09:27	07/21/22 17:31	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/21/22 09:27	07/21/22 17:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: Background-1 (0-0.5')

Lab Sample ID: 880-17140-23

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/22 09:52	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/22 11:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	50.0		mg/Kg		07/22/22 10:22	07/22/22 12:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	50.0		mg/Kg		07/22/22 10:22	07/22/22 12:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/22 10:22	07/22/22 12:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	63	S1-	70 - 130				07/22/22 10:22	07/22/22 12:57	1
o-Terphenyl	69	S1-	70 - 130				07/22/22 10:22	07/22/22 12:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.6		4.98		mg/Kg			07/21/22 05:27	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-16985-A-1-H MS	Matrix Spike	107	87
880-16985-A-1-I MSD	Matrix Spike Duplicate	118	94
880-17140-1	H-1 (0-0.5')	108	104
880-17140-1 MS	H-1 (0-0.5')	82	150 S1+
880-17140-1 MSD	H-1 (0-0.5')	42 S1-	132 S1+
880-17140-2	H-2 (0-0.5')	107	86
880-17140-3	H-3 (0-0.5')	84	94
880-17140-4	H-4 (0-0.5')	73	107
880-17140-5	T-1 (0-1')	99	100
880-17140-6	T-1 (2')	110	88
880-17140-7	T-1 (3')	102	111
880-17140-8	T-1 (4')	114	89
880-17140-9	T-1 (5')	112	90
880-17140-10	T-1 (6')R	112	87
880-17140-11	T-2 (0-1')	115	90
880-17140-12	T-2 (2')	71	98
880-17140-13	T-2 (3')	109	86
880-17140-14	T-2 (4')	97	83
880-17140-15	T-2 (5')	120	85
880-17140-17	T-3 (0-1')	116	92
880-17140-18	T-3 (2')	113	90
880-17140-19	T-3 (3')	112	85
880-17140-20	T-3 (4')	120	88
880-17140-21	T-3 (5')	88	84
880-17140-22	T-3 (6')R	140 S1+	93
880-17140-23	Background-1 (0-0.5')	119	96
LCS 880-30209/1-A	Lab Control Sample	116	93
LCS 880-30237/1-A	Lab Control Sample	105	97
LCSD 880-30209/2-A	Lab Control Sample Dup	96	104
LCSD 880-30237/2-A	Lab Control Sample Dup	105	98
MB 880-30209/5-A	Method Blank	101	104
MB 880-30237/5-A	Method Blank	78	87

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-17140-1	H-1 (0-0.5')	102	112
880-17140-2	H-2 (0-0.5')	105	115
880-17140-2 MS	H-2 (0-0.5')	85	91
880-17140-2 MSD	H-2 (0-0.5')	96	91
880-17140-3	H-3 (0-0.5')	122	126
880-17140-4	H-4 (0-0.5')	116	119
880-17140-5	T-1 (0-1')	105	116

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Surrogate Summary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-17140-6	T-1 (2')	94	105
880-17140-7	T-1 (3')	142 S1+	153 S1+
880-17140-8	T-1 (4')	103	111
880-17140-9	T-1 (5')	110	119
880-17140-10	T-1 (6')R	114	120
880-17140-11	T-2 (0-1')	94	100
880-17140-12	T-2 (2')	116	120
880-17140-13	T-2 (3')	97	105
880-17140-14	T-2 (4')	104	110
880-17140-15	T-2 (5')	123	131 S1+
880-17140-17	T-3 (0-1')	121	130
880-17140-18	T-3 (2')	117	124
880-17140-19	T-3 (3')	104	111
880-17140-20	T-3 (4')	115	120
880-17140-21	T-3 (5')	130	137 S1+
880-17140-22	T-3 (6')R	93	100
880-17140-23	Background-1 (0-0.5')	63 S1-	69 S1-
880-17140-23 MS	Background-1 (0-0.5')	52 S1-	53 S1-
880-17140-23 MSD	Background-1 (0-0.5')	34 S1-	29 S1-
890-2587-A-1-D MS	Matrix Spike	85	92
890-2587-A-1-E MSD	Matrix Spike Duplicate	84	90
LCS 880-30311/2-A	Lab Control Sample	106	124
LCS 880-30362/2-A	Lab Control Sample	109	122
LCS 880-30363/2-A	Lab Control Sample	133 S1+	168 S1+
LCSD 880-30311/3-A	Lab Control Sample Dup	101	117
LCSD 880-30362/3-A	Lab Control Sample Dup	103	117
LCSD 880-30363/3-A	Lab Control Sample Dup	117	146 S1+
MB 880-30311/1-A	Method Blank	147 S1+	175 S1+
MB 880-30362/1-A	Method Blank	153 S1+	177 S1+
MB 880-30363/1-A	Method Blank	129	168 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30209/5-A

Matrix: Solid

Analysis Batch: 30192

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/22 09:27	07/21/22 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/22 09:27	07/21/22 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/22 09:27	07/21/22 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/21/22 09:27	07/21/22 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/22 09:27	07/21/22 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/21/22 09:27	07/21/22 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/21/22 09:27	07/21/22 11:20	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/21/22 09:27	07/21/22 11:20	1

Lab Sample ID: LCS 880-30209/1-A

Matrix: Solid

Analysis Batch: 30192

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08401		mg/Kg		84	70 - 130
Toluene	0.100	0.09906		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1113		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2318		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1269		mg/Kg		127	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-30209/2-A

Matrix: Solid

Analysis Batch: 30192

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30209

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1030		mg/Kg		103	70 - 130	20	35
Toluene	0.100	0.09343		mg/Kg		93	70 - 130	6	35
Ethylbenzene	0.100	0.09535		mg/Kg		95	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.1889		mg/Kg		94	70 - 130	20	35
o-Xylene	0.100	0.1032		mg/Kg		103	70 - 130	21	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-16985-A-1-H MS

Matrix: Solid

Analysis Batch: 30192

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 30209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.07821		mg/Kg		78	70 - 130
Toluene	<0.00201	U	0.0998	0.09070		mg/Kg		91	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-16985-A-1-H MS

Matrix: Solid

Analysis Batch: 30192

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 30209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.0998	0.09555		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1898		mg/Kg		95	70 - 130
o-Xylene	<0.00201	U	0.0998	0.1013		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-16985-A-1-I MSD

Matrix: Solid

Analysis Batch: 30192

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 30209

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.100	0.08560		mg/Kg		85	70 - 130	9	35
Toluene	<0.00201	U	0.100	0.09653		mg/Kg		96	70 - 130	6	35
Ethylbenzene	<0.00201	U	0.100	0.1057		mg/Kg		105	70 - 130	10	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2190		mg/Kg		109	70 - 130	14	35
o-Xylene	<0.00201	U	0.100	0.1191		mg/Kg		119	70 - 130	16	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: MB 880-30237/5-A

Matrix: Solid

Analysis Batch: 30480

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 15:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 15:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 15:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/21/22 12:03	07/24/22 15:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/22 12:03	07/24/22 15:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/21/22 12:03	07/24/22 15:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	07/21/22 12:03	07/24/22 15:12	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/21/22 12:03	07/24/22 15:12	1

Lab Sample ID: LCS 880-30237/1-A

Matrix: Solid

Analysis Batch: 30480

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09322		mg/Kg		93	70 - 130
Toluene	0.100	0.09336		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09400		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1925		mg/Kg		96	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-30237/1-A

Matrix: Solid

Analysis Batch: 30480

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-30237/2-A

Matrix: Solid

Analysis Batch: 30480

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30237

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08469		mg/Kg		85	70 - 130	10	35
Toluene	0.100	0.08536		mg/Kg		85	70 - 130	9	35
Ethylbenzene	0.100	0.08802		mg/Kg		88	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1798		mg/Kg		90	70 - 130	7	35
o-Xylene	0.100	0.1014		mg/Kg		101	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-17140-1 MS

Matrix: Solid

Analysis Batch: 30480

Client Sample ID: H-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 30237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1 F2	0.101	0.07832		mg/Kg		78	70 - 130
Toluene	<0.00201	U F1 F2	0.101	0.05695	F1	mg/Kg		56	70 - 130
Ethylbenzene	<0.00201	U F1 F2	0.101	0.06817	F1	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.1023	F1	mg/Kg		51	70 - 130
o-Xylene	<0.00201	U F1 F2	0.101	0.1048		mg/Kg		104	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	150	S1+	70 - 130

Lab Sample ID: 880-17140-1 MSD

Matrix: Solid

Analysis Batch: 30480

Client Sample ID: H-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 30237

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U F1 F2	0.0998	0.04543	F1 F2	mg/Kg		46	70 - 130	53	35
Toluene	<0.00201	U F1 F2	0.0998	0.03677	F1 F2	mg/Kg		37	70 - 130	43	35
Ethylbenzene	<0.00201	U F1 F2	0.0998	0.03004	F1 F2	mg/Kg		30	70 - 130	78	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.07450	F1	mg/Kg		37	70 - 130	31	35
o-Xylene	<0.00201	U F1 F2	0.0998	0.06880	F1 F2	mg/Kg		69	70 - 130	42	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-17140-1 MSD

Matrix: Solid

Analysis Batch: 30480

Client Sample ID: H-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 30237

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	42	S1-	70 - 130
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-30311/1-A

Matrix: Solid

Analysis Batch: 30249

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30311

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/21/22 17:17	07/22/22 00:07	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/21/22 17:17	07/22/22 00:07	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/21/22 17:17	07/22/22 00:07	1	

Surrogate	MB	MB					Prepared	Analyzed	Dil	Fac
	%Recovery	Qualifier	Limits							
1-Chlorooctane	147	S1+	70 - 130				07/21/22 17:17	07/22/22 00:07	1	
o-Terphenyl	175	S1+	70 - 130				07/21/22 17:17	07/22/22 00:07	1	

Lab Sample ID: LCS 880-30311/2-A

Matrix: Solid

Analysis Batch: 30249

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30311

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1172		mg/Kg		117		70 - 130		
Diesel Range Organics (Over C10-C28)	1000	984.1		mg/Kg		98		70 - 130		

Surrogate	LCS	LCS	
	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: LCSD 880-30311/3-A

Matrix: Solid

Analysis Batch: 30249

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30311

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1181		mg/Kg		118		1	20	
Diesel Range Organics (Over C10-C28)	1000	974.2		mg/Kg		97		1	20	

Surrogate	LCSD	LCSD	
	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	117		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2587-A-1-D MS

Matrix: Solid

Analysis Batch: 30249

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 30311

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1292		mg/Kg		129	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	828.7		mg/Kg		81	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	85		70 - 130						
o-Terphenyl	92		70 - 130						

Lab Sample ID: 890-2587-A-1-E MSD

Matrix: Solid

Analysis Batch: 30249

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 30311

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1249		mg/Kg		125	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	808.9		mg/Kg		79	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	84		70 - 130								
o-Terphenyl	90		70 - 130								

Lab Sample ID: MB 880-30362/1-A

Matrix: Solid

Analysis Batch: 30366

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/22 10:19	07/22/22 11:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/22 10:19	07/22/22 11:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/22 10:19	07/22/22 11:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130				07/22/22 10:19	07/22/22 11:52	1
o-Terphenyl	177	S1+	70 - 130				07/22/22 10:19	07/22/22 11:52	1

Lab Sample ID: LCS 880-30362/2-A

Matrix: Solid

Analysis Batch: 30366

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30362

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1111		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	926.7		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-30362/2-A

Matrix: Solid

Analysis Batch: 30366

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30362

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: LCSD 880-30362/3-A

Matrix: Solid

Analysis Batch: 30366

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30362

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1055		mg/Kg		105	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	935.2		mg/Kg		94	70 - 130	1	20
Surrogate		LCSD	LCSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	117		70 - 130								

Lab Sample ID: 880-17140-2 MS

Matrix: Solid

Analysis Batch: 30366

Client Sample ID: H-2 (0-0.5')

Prep Type: Total/NA

Prep Batch: 30362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1205		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	746.2		mg/Kg		75	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	85		70 - 130								
o-Terphenyl	91		70 - 130								

Lab Sample ID: 880-17140-2 MSD

Matrix: Solid

Analysis Batch: 30366

Client Sample ID: H-2 (0-0.5')

Prep Type: Total/NA

Prep Batch: 30362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1159		mg/Kg		116	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	764.0		mg/Kg		76	70 - 130	2	20
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	96		70 - 130								
o-Terphenyl	91		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-30363/1-A

Matrix: Solid

Analysis Batch: 30368

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30363

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/22 10:22	07/22/22 11:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/22 10:22	07/22/22 11:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/22 10:22	07/22/22 11:52	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				07/22/22 10:22	07/22/22 11:52	1
o-Terphenyl	168	S1+	70 - 130				07/22/22 10:22	07/22/22 11:52	1

Lab Sample ID: LCS 880-30363/2-A

Matrix: Solid

Analysis Batch: 30368

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	833.0		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1223		mg/Kg		122	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	133	S1+	70 - 130				
o-Terphenyl	168	S1+	70 - 130				

Lab Sample ID: LCSD 880-30363/3-A

Matrix: Solid

Analysis Batch: 30368

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30363

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	784.4		mg/Kg		78	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	1065		mg/Kg		107	70 - 130	14	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	117		70 - 130						
o-Terphenyl	146	S1+	70 - 130						

Lab Sample ID: 880-17140-23 MS

Matrix: Solid

Analysis Batch: 30368

Client Sample ID: Background-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 30363

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	1000	463.7	F1	mg/Kg		46	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	1000	553.3	F1	mg/Kg		55	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-17140-23 MS

Matrix: Solid

Analysis Batch: 30368

Client Sample ID: Background-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 30363

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	52	S1-	70 - 130
o-Terphenyl	53	S1-	70 - 130

Lab Sample ID: 880-17140-23 MSD

Matrix: Solid

Analysis Batch: 30368

Client Sample ID: Background-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 30363

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	999	368.6	F1 F2	mg/Kg		37	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	999	322.0	F1 F2	mg/Kg		32	70 - 130	53	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	34	S1-	70 - 130								
o-Terphenyl	29	S1-	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30025/1-A

Matrix: Solid

Analysis Batch: 30182

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/21/22 01:09	1

Lab Sample ID: LCS 880-30025/2-A

Matrix: Solid

Analysis Batch: 30182

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.7		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-30025/3-A

Matrix: Solid

Analysis Batch: 30182

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	262.7		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-2566-A-22-F MS

Matrix: Solid

Analysis Batch: 30182

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	347		249	582.3		mg/Kg		95	90 - 110

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2566-A-22-G MSD

Matrix: Solid

Analysis Batch: 30182

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	347		249	586.7		mg/Kg		96	90 - 110	1	20

Lab Sample ID: MB 880-30130/1-A

Matrix: Solid

Analysis Batch: 30297

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/22/22 06:00	1

Lab Sample ID: LCS 880-30130/2-A

Matrix: Solid

Analysis Batch: 30297

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	274.5		mg/Kg		110	90 - 110

Lab Sample ID: LCSD 880-30130/3-A

Matrix: Solid

Analysis Batch: 30297

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	274.8		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-17140-1 MS

Matrix: Solid

Analysis Batch: 30297

Client Sample ID: H-1 (0-0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1110	F1	1260	2565	F1	mg/Kg		116	90 - 110

Lab Sample ID: 880-17140-1 MSD

Matrix: Solid

Analysis Batch: 30297

Client Sample ID: H-1 (0-0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1110	F1	1260	2566	F1	mg/Kg		116	90 - 110	0	20

Lab Sample ID: 880-17140-11 MS

Matrix: Solid

Analysis Batch: 30297

Client Sample ID: T-2 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9120	F1	2500	12190	F1	mg/Kg		123	90 - 110

Lab Sample ID: 880-17140-11 MSD

Matrix: Solid

Analysis Batch: 30297

Client Sample ID: T-2 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9120	F1	2500	12200	F1	mg/Kg		123	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30597/1-A

Matrix: Solid

Analysis Batch: 30701

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/26/22 13:20	1

Lab Sample ID: LCS 880-30597/2-A

Matrix: Solid

Analysis Batch: 30701

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.4		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-30597/3-A

Matrix: Solid

Analysis Batch: 30701

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	257.9		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-17350-A-5-B MS

Matrix: Solid

Analysis Batch: 30701

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	227		1240	1558		mg/Kg		107	90 - 110

Lab Sample ID: 880-17350-A-5-C MSD

Matrix: Solid

Analysis Batch: 30701

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	227		1240	1555		mg/Kg		107	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 30192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-22	T-3 (6")R	Total/NA	Solid	8021B	30209
880-17140-23	Background-1 (0-0.5')	Total/NA	Solid	8021B	30209
MB 880-30209/5-A	Method Blank	Total/NA	Solid	8021B	30209
LCS 880-30209/1-A	Lab Control Sample	Total/NA	Solid	8021B	30209
LCSD 880-30209/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30209
880-16985-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	30209
880-16985-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30209

Prep Batch: 30209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-22	T-3 (6")R	Total/NA	Solid	5035	
880-17140-23	Background-1 (0-0.5')	Total/NA	Solid	5035	
MB 880-30209/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30209/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30209/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16985-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
880-16985-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 30237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-17140-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-17140-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-17140-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-17140-5	T-1 (0-1')	Total/NA	Solid	5035	
880-17140-6	T-1 (2')	Total/NA	Solid	5035	
880-17140-7	T-1 (3')	Total/NA	Solid	5035	
880-17140-8	T-1 (4')	Total/NA	Solid	5035	
880-17140-9	T-1 (5')	Total/NA	Solid	5035	
880-17140-10	T-1 (6")R	Total/NA	Solid	5035	
880-17140-11	T-2 (0-1')	Total/NA	Solid	5035	
880-17140-12	T-2 (2')	Total/NA	Solid	5035	
880-17140-13	T-2 (3')	Total/NA	Solid	5035	
880-17140-14	T-2 (4')	Total/NA	Solid	5035	
880-17140-15	T-2 (5')	Total/NA	Solid	5035	
880-17140-17	T-3 (0-1')	Total/NA	Solid	5035	
880-17140-18	T-3 (2')	Total/NA	Solid	5035	
880-17140-19	T-3 (3')	Total/NA	Solid	5035	
880-17140-20	T-3 (4')	Total/NA	Solid	5035	
880-17140-21	T-3 (5')	Total/NA	Solid	5035	
MB 880-30237/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30237/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30237/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17140-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-17140-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 30345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17140-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17140-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 30345 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17140-5	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-17140-6	T-1 (2')	Total/NA	Solid	Total BTEX	
880-17140-7	T-1 (3')	Total/NA	Solid	Total BTEX	
880-17140-8	T-1 (4')	Total/NA	Solid	Total BTEX	
880-17140-9	T-1 (5')	Total/NA	Solid	Total BTEX	
880-17140-10	T-1 (6')R	Total/NA	Solid	Total BTEX	
880-17140-11	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-17140-12	T-2 (2')	Total/NA	Solid	Total BTEX	
880-17140-13	T-2 (3')	Total/NA	Solid	Total BTEX	
880-17140-14	T-2 (4')	Total/NA	Solid	Total BTEX	
880-17140-15	T-2 (5')	Total/NA	Solid	Total BTEX	
880-17140-17	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-17140-18	T-3 (2')	Total/NA	Solid	Total BTEX	
880-17140-19	T-3 (3')	Total/NA	Solid	Total BTEX	
880-17140-20	T-3 (4')	Total/NA	Solid	Total BTEX	
880-17140-21	T-3 (5')	Total/NA	Solid	Total BTEX	
880-17140-22	T-3 (6')R	Total/NA	Solid	Total BTEX	
880-17140-23	Background-1 (0-0.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 30480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-1	H-1 (0-0.5')	Total/NA	Solid	8021B	30237
880-17140-2	H-2 (0-0.5')	Total/NA	Solid	8021B	30237
880-17140-3	H-3 (0-0.5')	Total/NA	Solid	8021B	30237
880-17140-4	H-4 (0-0.5')	Total/NA	Solid	8021B	30237
880-17140-5	T-1 (0-1')	Total/NA	Solid	8021B	30237
880-17140-6	T-1 (2')	Total/NA	Solid	8021B	30237
880-17140-7	T-1 (3')	Total/NA	Solid	8021B	30237
880-17140-8	T-1 (4')	Total/NA	Solid	8021B	30237
880-17140-9	T-1 (5')	Total/NA	Solid	8021B	30237
880-17140-10	T-1 (6')R	Total/NA	Solid	8021B	30237
880-17140-11	T-2 (0-1')	Total/NA	Solid	8021B	30237
880-17140-12	T-2 (2')	Total/NA	Solid	8021B	30237
880-17140-13	T-2 (3')	Total/NA	Solid	8021B	30237
880-17140-14	T-2 (4')	Total/NA	Solid	8021B	30237
880-17140-15	T-2 (5')	Total/NA	Solid	8021B	30237
880-17140-17	T-3 (0-1')	Total/NA	Solid	8021B	30237
880-17140-18	T-3 (2')	Total/NA	Solid	8021B	30237
880-17140-19	T-3 (3')	Total/NA	Solid	8021B	30237
880-17140-20	T-3 (4')	Total/NA	Solid	8021B	30237
880-17140-21	T-3 (5')	Total/NA	Solid	8021B	30237
MB 880-30237/5-A	Method Blank	Total/NA	Solid	8021B	30237
LCS 880-30237/1-A	Lab Control Sample	Total/NA	Solid	8021B	30237
LCSD 880-30237/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30237
880-17140-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	30237
880-17140-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	30237

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

GC Semi VOA

Analysis Batch: 30249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	30311
MB 880-30311/1-A	Method Blank	Total/NA	Solid	8015B NM	30311
LCS 880-30311/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30311
LCSD 880-30311/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30311
890-2587-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	30311
890-2587-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	30311

Prep Batch: 30311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-30311/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30311/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30311/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2587-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2587-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 30362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17140-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17140-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17140-5	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-17140-6	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-17140-7	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-17140-8	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-17140-9	T-1 (5')	Total/NA	Solid	8015NM Prep	
880-17140-10	T-1 (6')R	Total/NA	Solid	8015NM Prep	
880-17140-11	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-17140-12	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-17140-13	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-17140-14	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-17140-15	T-2 (5')	Total/NA	Solid	8015NM Prep	
880-17140-17	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-17140-18	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-17140-19	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-17140-20	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-17140-21	T-3 (5')	Total/NA	Solid	8015NM Prep	
880-17140-22	T-3 (6')R	Total/NA	Solid	8015NM Prep	
MB 880-30362/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30362/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30362/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-17140-2 MS	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17140-2 MSD	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 30363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-23	Background-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-30363/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30363/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30363/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-17140-23 MS	Background-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 30363 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-23 MSD	Background-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	30362
880-17140-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	30362
880-17140-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	30362
880-17140-5	T-1 (0-1')	Total/NA	Solid	8015B NM	30362
880-17140-6	T-1 (2')	Total/NA	Solid	8015B NM	30362
880-17140-7	T-1 (3')	Total/NA	Solid	8015B NM	30362
880-17140-8	T-1 (4')	Total/NA	Solid	8015B NM	30362
880-17140-9	T-1 (5')	Total/NA	Solid	8015B NM	30362
880-17140-10	T-1 (6')R	Total/NA	Solid	8015B NM	30362
880-17140-11	T-2 (0-1')	Total/NA	Solid	8015B NM	30362
880-17140-12	T-2 (2')	Total/NA	Solid	8015B NM	30362
880-17140-13	T-2 (3')	Total/NA	Solid	8015B NM	30362
880-17140-14	T-2 (4')	Total/NA	Solid	8015B NM	30362
880-17140-15	T-2 (5')	Total/NA	Solid	8015B NM	30362
880-17140-17	T-3 (0-1')	Total/NA	Solid	8015B NM	30362
880-17140-18	T-3 (2')	Total/NA	Solid	8015B NM	30362
880-17140-19	T-3 (3')	Total/NA	Solid	8015B NM	30362
880-17140-20	T-3 (4')	Total/NA	Solid	8015B NM	30362
880-17140-21	T-3 (5')	Total/NA	Solid	8015B NM	30362
880-17140-22	T-3 (6')R	Total/NA	Solid	8015B NM	30362
MB 880-30362/1-A	Method Blank	Total/NA	Solid	8015B NM	30362
LCS 880-30362/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30362
LCSD 880-30362/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30362
880-17140-2 MS	H-2 (0-0.5')	Total/NA	Solid	8015B NM	30362
880-17140-2 MSD	H-2 (0-0.5')	Total/NA	Solid	8015B NM	30362

Analysis Batch: 30368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-23	Background-1 (0-0.5')	Total/NA	Solid	8015B NM	30363
MB 880-30363/1-A	Method Blank	Total/NA	Solid	8015B NM	30363
LCS 880-30363/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30363
LCSD 880-30363/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30363
880-17140-23 MS	Background-1 (0-0.5')	Total/NA	Solid	8015B NM	30363
880-17140-23 MSD	Background-1 (0-0.5')	Total/NA	Solid	8015B NM	30363

Analysis Batch: 30395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-17140-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-17140-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-17140-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-17140-5	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-17140-6	T-1 (2')	Total/NA	Solid	8015 NM	
880-17140-7	T-1 (3')	Total/NA	Solid	8015 NM	
880-17140-8	T-1 (4')	Total/NA	Solid	8015 NM	
880-17140-9	T-1 (5')	Total/NA	Solid	8015 NM	
880-17140-10	T-1 (6')R	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 30395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-11	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-17140-12	T-2 (2')	Total/NA	Solid	8015 NM	
880-17140-13	T-2 (3')	Total/NA	Solid	8015 NM	
880-17140-14	T-2 (4')	Total/NA	Solid	8015 NM	
880-17140-15	T-2 (5')	Total/NA	Solid	8015 NM	
880-17140-17	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-17140-18	T-3 (2')	Total/NA	Solid	8015 NM	
880-17140-19	T-3 (3')	Total/NA	Solid	8015 NM	
880-17140-20	T-3 (4')	Total/NA	Solid	8015 NM	
880-17140-21	T-3 (5')	Total/NA	Solid	8015 NM	
880-17140-22	T-3 (6')R	Total/NA	Solid	8015 NM	
880-17140-23	Background-1 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-23	Background-1 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-30025/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30025/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30025/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2566-A-22-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2566-A-22-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 30130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-17140-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-17140-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-17140-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-17140-5	T-1 (0-1')	Soluble	Solid	DI Leach	
880-17140-6	T-1 (2')	Soluble	Solid	DI Leach	
880-17140-7	T-1 (3')	Soluble	Solid	DI Leach	
880-17140-8	T-1 (4')	Soluble	Solid	DI Leach	
880-17140-9	T-1 (5')	Soluble	Solid	DI Leach	
880-17140-10	T-1 (6')R	Soluble	Solid	DI Leach	
880-17140-11	T-2 (0-1')	Soluble	Solid	DI Leach	
880-17140-12	T-2 (2')	Soluble	Solid	DI Leach	
880-17140-13	T-2 (3')	Soluble	Solid	DI Leach	
880-17140-14	T-2 (4')	Soluble	Solid	DI Leach	
880-17140-15	T-2 (5')	Soluble	Solid	DI Leach	
880-17140-17	T-3 (0-1')	Soluble	Solid	DI Leach	
880-17140-18	T-3 (2')	Soluble	Solid	DI Leach	
880-17140-19	T-3 (3')	Soluble	Solid	DI Leach	
880-17140-20	T-3 (4')	Soluble	Solid	DI Leach	
880-17140-21	T-3 (5')	Soluble	Solid	DI Leach	
MB 880-30130/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30130/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30130/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17140-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-17140-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 30130 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-11 MS	T-2 (0-1')	Soluble	Solid	DI Leach	
880-17140-11 MSD	T-2 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 30182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-23	Background-1 (0-0.5')	Soluble	Solid	300.0	30025
MB 880-30025/1-A	Method Blank	Soluble	Solid	300.0	30025
LCS 880-30025/2-A	Lab Control Sample	Soluble	Solid	300.0	30025
LCSD 880-30025/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30025
890-2566-A-22-F MS	Matrix Spike	Soluble	Solid	300.0	30025
890-2566-A-22-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30025

Analysis Batch: 30297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-1	H-1 (0-0.5')	Soluble	Solid	300.0	30130
880-17140-2	H-2 (0-0.5')	Soluble	Solid	300.0	30130
880-17140-3	H-3 (0-0.5')	Soluble	Solid	300.0	30130
880-17140-4	H-4 (0-0.5')	Soluble	Solid	300.0	30130
880-17140-5	T-1 (0-1')	Soluble	Solid	300.0	30130
880-17140-6	T-1 (2')	Soluble	Solid	300.0	30130
880-17140-7	T-1 (3')	Soluble	Solid	300.0	30130
880-17140-8	T-1 (4')	Soluble	Solid	300.0	30130
880-17140-9	T-1 (5')	Soluble	Solid	300.0	30130
880-17140-10	T-1 (6')R	Soluble	Solid	300.0	30130
880-17140-11	T-2 (0-1')	Soluble	Solid	300.0	30130
880-17140-12	T-2 (2')	Soluble	Solid	300.0	30130
880-17140-13	T-2 (3')	Soluble	Solid	300.0	30130
880-17140-14	T-2 (4')	Soluble	Solid	300.0	30130
880-17140-15	T-2 (5')	Soluble	Solid	300.0	30130
880-17140-17	T-3 (0-1')	Soluble	Solid	300.0	30130
880-17140-18	T-3 (2')	Soluble	Solid	300.0	30130
880-17140-19	T-3 (3')	Soluble	Solid	300.0	30130
880-17140-20	T-3 (4')	Soluble	Solid	300.0	30130
880-17140-21	T-3 (5')	Soluble	Solid	300.0	30130
MB 880-30130/1-A	Method Blank	Soluble	Solid	300.0	30130
LCS 880-30130/2-A	Lab Control Sample	Soluble	Solid	300.0	30130
LCSD 880-30130/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30130
880-17140-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	30130
880-17140-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	30130
880-17140-11 MS	T-2 (0-1')	Soluble	Solid	300.0	30130
880-17140-11 MSD	T-2 (0-1')	Soluble	Solid	300.0	30130

Leach Batch: 30597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-22	T-3 (6')R	Soluble	Solid	DI Leach	
MB 880-30597/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30597/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30597/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17350-A-5-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17350-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

HPLC/IC

Analysis Batch: 30701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17140-22	T-3 (6')R	Soluble	Solid	300.0	30597
MB 880-30597/1-A	Method Blank	Soluble	Solid	300.0	30597
LCS 880-30597/2-A	Lab Control Sample	Soluble	Solid	300.0	30597
LCSD 880-30597/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30597
880-17350-A-5-B MS	Matrix Spike	Soluble	Solid	300.0	30597
880-17350-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30597

Lab Chronicle

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-17140-1

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 15:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	30311	07/21/22 17:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30249	07/22/22 09:31	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		5			30297	07/22/22 06:23	CH	XEN MID

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-17140-2

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 16:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30362	07/22/22 10:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 12:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30297	07/22/22 06:47	CH	XEN MID

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-17140-3

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 16:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30362	07/22/22 10:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 14:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30297	07/22/22 06:54	CH	XEN MID

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-17140-4

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 16:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: H-4 (0-0.5')

Date Collected: 07/19/22 00:00

Date Received: 07/20/22 08:27

Lab Sample ID: 880-17140-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30362	07/22/22 10:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 14:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30297	07/22/22 07:02	CH	XEN MID

Client Sample ID: T-1 (0-1')

Date Collected: 07/19/22 00:00

Date Received: 07/20/22 08:27

Lab Sample ID: 880-17140-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 17:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30362	07/22/22 10:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 14:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		10			30297	07/22/22 07:10	CH	XEN MID

Client Sample ID: T-1 (2')

Date Collected: 07/19/22 00:00

Date Received: 07/20/22 08:27

Lab Sample ID: 880-17140-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 17:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30362	07/22/22 10:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 15:07	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30297	07/22/22 07:34	CH	XEN MID

Client Sample ID: T-1 (3')

Date Collected: 07/19/22 00:00

Date Received: 07/20/22 08:27

Lab Sample ID: 880-17140-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 18:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30362	07/22/22 10:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 15:28	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-1 (3')

Date Collected: 07/19/22 00:00

Date Received: 07/20/22 08:27

Lab Sample ID: 880-17140-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30297	07/22/22 07:41	CH	XEN MID

Client Sample ID: T-1 (4')

Date Collected: 07/19/22 00:00

Date Received: 07/20/22 08:27

Lab Sample ID: 880-17140-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 18:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30362	07/22/22 10:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 15:50	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		5			30297	07/22/22 07:49	CH	XEN MID

Client Sample ID: T-1 (5')

Date Collected: 07/19/22 00:00

Date Received: 07/20/22 08:27

Lab Sample ID: 880-17140-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 19:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30362	07/22/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 16:11	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		5			30297	07/22/22 07:57	CH	XEN MID

Client Sample ID: T-1 (6')R

Date Collected: 07/19/22 00:00

Date Received: 07/20/22 08:27

Lab Sample ID: 880-17140-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 19:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30362	07/22/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 16:33	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		5			30297	07/22/22 08:05	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-17140-11

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 21:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30362	07/22/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 16:54	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		10			30297	07/22/22 08:13	CH	XEN MID

Client Sample ID: T-2 (2')

Lab Sample ID: 880-17140-12

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 21:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30362	07/22/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 17:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		5			30297	07/22/22 08:37	CH	XEN MID

Client Sample ID: T-2 (3')

Lab Sample ID: 880-17140-13

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 22:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30362	07/22/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 17:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		5			30297	07/22/22 08:44	CH	XEN MID

Client Sample ID: T-2 (4')

Lab Sample ID: 880-17140-14

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 22:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-2 (4')

Lab Sample ID: 880-17140-14

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30362	07/22/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 18:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		5			30297	07/22/22 09:08	CH	XEN MID

Client Sample ID: T-2 (5')

Lab Sample ID: 880-17140-15

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 23:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30362	07/22/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 18:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30297	07/22/22 15:10	CH	XEN MID

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-17140-17

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/24/22 23:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30362	07/22/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 19:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		10			30297	07/22/22 09:24	CH	XEN MID

Client Sample ID: T-3 (2')

Lab Sample ID: 880-17140-18

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/25/22 00:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30362	07/22/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 19:25	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-3 (2')

Lab Sample ID: 880-17140-18

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		5			30297	07/22/22 09:32	CH	XEN MID

Client Sample ID: T-3 (3')

Lab Sample ID: 880-17140-19

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/25/22 00:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30362	07/22/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 19:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		10			30297	07/22/22 09:39	CH	XEN MID

Client Sample ID: T-3 (4')

Lab Sample ID: 880-17140-20

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/25/22 00:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	30362	07/22/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 20:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		10			30297	07/22/22 09:47	CH	XEN MID

Client Sample ID: T-3 (5')

Lab Sample ID: 880-17140-21

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	30237	07/21/22 12:03	MR	XEN MID
Total/NA	Analysis	8021B		1			30480	07/25/22 01:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30362	07/22/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 20:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	30130	07/20/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		10			30297	07/22/22 09:55	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Client Sample ID: T-3 (6')R

Lab Sample ID: 880-17140-22

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	30209	07/21/22 09:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30192	07/21/22 17:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	30362	07/22/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30366	07/22/22 20:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	30597	07/25/22 14:17	SMC	XEN MID
Soluble	Analysis	300.0		5			30701	07/26/22 14:34	CH	XEN MID

Client Sample ID: Background-1 (0-0.5')

Lab Sample ID: 880-17140-23

Date Collected: 07/19/22 00:00

Matrix: Solid

Date Received: 07/20/22 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30209	07/21/22 09:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30192	07/21/22 17:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30345	07/22/22 09:52	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30395	07/22/22 11:22	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30363	07/22/22 10:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30368	07/22/22 12:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	30025	07/20/22 12:00	KS	XEN MID
Soluble	Analysis	300.0		1			30182	07/21/22 05:27	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Eurofins Midland

Method Summary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Mamba 30 State Com #744-745

Job ID: 880-17140-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-17140-1	H-1 (0-0.5')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-2	H-2 (0-0.5')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-3	H-3 (0-0.5')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-4	H-4 (0-0.5')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-5	T-1 (0-1')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-6	T-1 (2')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-7	T-1 (3')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-8	T-1 (4')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-9	T-1 (5')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-10	T-1 (6')R	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-11	T-2 (0-1')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-12	T-2 (2')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-13	T-2 (3')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-14	T-2 (4')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-15	T-2 (5')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-17	T-3 (0-1')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-18	T-3 (2')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-19	T-3 (3')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-20	T-3 (4')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-21	T-3 (5')	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-22	T-3 (6')R	Solid	07/19/22 00:00	07/20/22 08:27
880-17140-23	Background-1 (0-0.5')	Solid	07/19/22 00:00	07/20/22 08:27

Work Order No: 17140

Page 1 of 3

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

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

Project Name	Mamba 30 State Com #744-745	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number	1085	Due Date															None NO	DI Water H ₂ O	
Project Location	Lea Co. NM																Cool Cool	MeOH Me	
Sampler's Name:	AT																HCL HC	HNO ₃ HN	
PO #:																	H ₂ SO ₄ H ₂	NaOH Na	
SAMPLE RECEIPT	Temp Blank	Yes	No	Well Ice	Yes	No											H ₃ PO ₄ HP		
Received Intact:	Yes	No		Thermometer ID													NaHSO ₄ NABIS		
Cooler Custody Seals	Yes	No		Correction Factor													Na ₂ S ₂ O ₃ NaSO ₃		
Sample Custody Seals	Yes	No		Temperature Reading													Zn Acetate+NaOH Zn		
Total Containers:				Corrected Temperature													NaOH+Ascorbic Acid SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
H-1 (0-0.5')	7/19/2022		X		G	1	BTEX 8021B												
H-2 (0-0.5')	7/19/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)												
H-3 (0-0.5')	7/19/2022		X		G	1	Chloride 300.0												
H-4 (0-0.5')	7/19/2022		X		G	1													
T-1 (0-1')	7/19/2022		X		G	1													
T-1 (2')	7/19/2022		X		G	1													
T-1 (3')	7/19/2022		X		G	1													
T-1 (4')	7/19/2022		X		G	1													
T-1 (5')	7/19/2022		X		G	1													
T-1 (6') R	7/19/2022		X		G	1													



Email to Mike Carmora mcarmora@carmoraresources.com and Corner Moehring cmoehring@carmoraresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Daniel Sparks	7-20-22		
	8:27		

Work Order No: 17140

Page 2 of 3

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

Project Name		Mamba 30 State Com #744-745		Turn Around		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Parameters		ANALYSIS REQUEST		Preservative Codes	
Project Number		1085		Due Date				Pras. Code				None NO DI Water H ₂ O	
Project Location		Lea Co. NM										Cool Cool MeOH Me	
Sampler's Name		AT										HCL HC HNO ₃ HN	
PO #												H ₂ SO ₄ H ₂ NaOH Na	
SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No				H ₃ PO ₄ HP	
Received Intact		Yes No		Thermometer ID								NaHSO ₄ NABIS	
Cooler Custody Seals		Yes No N/A		Correction Factor								Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals		Yes No N/A		Temperature Reading								Zn Acetate+NaOH Zn	
Total Containers				Corrected Temperature								NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	ANALYSIS REQUEST												Preservative Codes	Sample Comments	
T-2 (0-1')	7/19/2022		X		G	1	X	X	X															
T-2 (2)	7/19/2022		X		G	1	X	X	X															
T-2 (3)	7/19/2022		X		G	1	X	X	X															
T-2 (4)	7/19/2022		X		G	1	X	X	X															
T-2 (5)	7/19/2022		X		G	1	X	X	X															
T-2 (6) R	7/19/2022		X		G	1	X	X	X															
T-3 (0-1')	7/19/2022		X		G	1	X	X	X															
T-3 (2)	7/19/2022		X		G	1	X	X	X															
T-3 (3)	7/19/2022		X		G	1	X	X	X															
T-3 (4)	7/19/2022		X		G	1	X	X	X															

Email to Mike Carmora mcarmora@carmonaresources.com and Corner Hoehring cmhoehring@carmonaresources.com

Hold T-2 (6)

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
Dane Sparks		7-20-22		[Signature]		8:27	

Work Order No: 17140

Page 3 of 3[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-17140-1

SDG Number: Lea Co, NM

Login Number: 17140**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



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

August 11, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: MAMBA 30 STATE COM #744 - 745

Enclosed are the results of analyses for samples received by the laboratory on 08/10/22 8:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/11/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (0-1') (H223572-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2022	ND	1.87	93.3	2.00	7.61		
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5280	16.0	08/10/2022	ND	400	100	400	3.92	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 43-149

Surrogate: 1-Chlorooctadecane 85.2 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/11/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (2') (H223572-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2022	ND	1.87	93.3	2.00	7.61	
Toluene*	<0.050	0.050	08/10/2022	ND	1.86	93.0	2.00	3.59	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.81	90.6	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	5.63	93.8	6.00	8.19	
Total BTX	<0.300	0.300	08/10/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	08/10/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	223	112	200	9.96	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	214	107	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 94.2 % 43-149

Surrogate: 1-Chlorooctadecane 90.8 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/11/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (3') (H223572-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2022	ND	1.98	99.2	2.00	9.70		
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3320	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 43-149

Surrogate: 1-Chlorooctadecane 85.0 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/11/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (4') (H223572-04)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2022	ND	1.98	99.2	2.00	9.70	
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7	
Total BTX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 43-149

Surrogate: 1-Chlorooctadecane 83.2 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/11/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (5') (H223572-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2022	ND	1.98	99.2	2.00	9.70		
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 84.4 % 43-149

Surrogate: 1-Chlorooctadecane 85.0 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/11/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (6') (H223572-06)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2022	ND	1.98	99.2	2.00	9.70	
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7	
Total BTX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 43-149

Surrogate: 1-Chlorooctadecane 85.3 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/11/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (7') (H223572-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2022	ND	1.98	99.2	2.00	9.70		
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7		
Total BTEX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 88.4 % 43-149

Surrogate: 1-Chlorooctadecane 87.0 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/11/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (8') (H223572-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2022	ND	1.98	99.2	2.00	9.70		
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 84.3 % 43-149

Surrogate: 1-Chlorooctadecane 82.7 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/11/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (9') (H223572-09)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2022	ND	1.98	99.2	2.00	9.70	
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7	
Total BTX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	08/10/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 88.6 % 43-149

Surrogate: 1-Chlorooctadecane 86.8 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/11/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH - 1 (10') (H223572-10)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2022	ND	1.98	99.2	2.00	9.70	
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7	
Total BTX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 89.8 % 43-149

Surrogate: 1-Chlorooctadecane 87.7 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/11/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 1 (0-1') (H223572-11)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2022	ND	1.98	99.2	2.00	9.70		
Toluene*	<0.050	0.050	08/10/2022	ND	2.08	104	2.00	9.65		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.14	107	2.00	11.0		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.51	109	6.00	10.7		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/10/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 74.6 % 43-149

Surrogate: 1-Chlorooctadecane 72.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H223572

Page 1 of 3

Project Manager:	Mike Cammona	Bill to: (if different)	Todd Wells
Company Name:	Cammona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 415	Address:	5509 Champions Dr.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79706
Phone:	432-813-1992	Email:	Todd Wells@eogresources.com

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

Project Name:	Mamba 30 State Com #744-745	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	1085	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush															None: NO	DI Water: H ₂ O
Project Location:	Lea Co. NM	Due Date:															Cool: Cool	MeOH: Me
Sampler's Name:	MC	24 Hours															HCL: HC	HNO ₃ : HN
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:															Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:															Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
BH-1 (0-1')	8/9/2022		X		G	1	BTX 8021B												
BH-1 (2')	8/10/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)												
BH-1 (3')	8/11/2022		X		G	1	Chloride 300.0												
BH-1 (4')	8/12/2022		X		G	1													
BH-1 (5')	8/13/2022		X		G	1													
BH-1 (6')	8/14/2022		X		G	1													
BH-1 (7')	8/15/2022		X		G	1													
BH-1 (8')	8/16/2022		X		G	1													
BH-1 (9')	8/17/2022		X		G	1													
BH-1 (10')	8/18/2022		X		G	1													

Email to: Mike Cammona Mcammona@cammonaresources.com and Conner Moehring@cammonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8/10/22 0500		8-10-22 0800

Chain of Custody

Work Order No: H223572

Page 24 of 24[illegible]



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

August 29, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: MAMBA 30 STATE COM #744 - 745

Enclosed are the results of analyses for samples received by the laboratory on 08/26/22 13:54.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 (4') (H223940-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2022	ND	1.87	93.6	2.00	1.15	
Toluene*	<0.050	0.050	08/26/2022	ND	1.83	91.5	2.00	2.22	
Ethylbenzene*	<0.050	0.050	08/26/2022	ND	1.77	88.5	2.00	1.63	
Total Xylenes*	<0.150	0.150	08/26/2022	ND	5.52	92.0	6.00	1.62	
Total BTX	<0.300	0.300	08/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/29/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 (4') (H223940-02)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2022	ND	1.87	93.6	2.00	1.15	
Toluene*	<0.050	0.050	08/26/2022	ND	1.83	91.5	2.00	2.22	
Ethylbenzene*	<0.050	0.050	08/26/2022	ND	1.77	88.5	2.00	1.63	
Total Xylenes*	<0.150	0.150	08/26/2022	ND	5.52	92.0	6.00	1.62	
Total BTEX	<0.300	0.300	08/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/29/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 76.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 (4') (H223940-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTEX	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/29/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 79.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 4 (4') (H223940-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTEx	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/29/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 74.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 75.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 5 (4') (H223940-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15	
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22	
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63	
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62	
Total BTEX	<0.300	0.300	08/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	08/29/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 62.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 63.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 6 (4') (H223940-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTEx	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/29/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 74.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 7 (4') (H223940-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTEx	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/29/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 76.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.1 % 46.3-178

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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 8 (4') (H223940-08)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15	
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22	
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63	
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62	
Total BTX	<0.300	0.300	08/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/29/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	11.3	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 68.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 71.1 % 46.3-178

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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 9 (4') (H223940-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTEx	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/29/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 70.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 69.1 % 46.3-178

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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 10 (4') (H223940-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTEx	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/29/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 67.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 68.3 % 46.3-178

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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 11 (4') (H223940-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTEx	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1410	16.0	08/29/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 71.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.5 % 46.3-178

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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 12 (4') (H223940-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTEx	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/29/2022	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 61.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 61.4 % 46.3-178

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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 13 (4') (H223940-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTEX	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 71.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 71.9 % 46.3-178

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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 14 (4') (H223940-14)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTX	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	08/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 54.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 53.7 % 46.3-178

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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 15 (4') (H223940-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTEx	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 74.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 16 (4') (H223940-16)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15	
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22	
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63	
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62	
Total BTX	<0.300	0.300	08/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 76.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (4') (H223940-17)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTEx	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 76.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.0 % 46.3-178

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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 (4') (H223940-18)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15	
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22	
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63	
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62	
Total BTX	<0.300	0.300	08/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/29/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 76.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 (4') (H223940-19)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTEx	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.0 % 46.3-178

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Analytical Results For:

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

Received: 08/26/2022
 Reported: 08/29/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 08/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 (4') (H223940-20)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2022	ND	1.87	93.6	2.00	1.15		
Toluene*	<0.050	0.050	08/27/2022	ND	1.83	91.5	2.00	2.22		
Ethylbenzene*	<0.050	0.050	08/27/2022	ND	1.77	88.5	2.00	1.63		
Total Xylenes*	<0.150	0.150	08/27/2022	ND	5.52	92.0	6.00	1.62		
Total BTX	<0.300	0.300	08/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	08/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2022	ND	197	98.4	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/27/2022	ND	193	96.3	200	6.71	
EXT DRO >C28-C36	<10.0	10.0	08/27/2022	ND					

Surrogate: 1-Chlorooctane 76.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.8 % 46.3-178

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

H22 3940

Page 1 of 2

Page 23 of 24

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

Project Name:	Mamba 30 State Com #744-745	Turn Around	Pres. Code
Project Number:	1085	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Location:	Lea Co. NM	Due Date:	24 hrs.
Sampler's Name:	CRM / GPJ		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters
	Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:				
	Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading				
	Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:				
Total Containers:							

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Preservative Codes
CS-1 (4')	8/26/2022		X		C	1	X	X	X									None: NO	DI Water: H ₂ O
CS-2 (4')	8/26/2022		X		C	1	X	X	X									Cool: Cool	MeOH: Me
CS-3 (4')	8/26/2022		X		C	1	X	X	X									HCL: HC	HNO ₃ : HN
CS-4 (4')	8/26/2022		X		C	1	X	X	X									H ₂ SO ₄ : H ₂	NaOH: Na
CS-5 (4')	8/26/2022		X		C	1	X	X	X									H ₃ PO ₄ : HP	
CS-6 (4')	8/26/2022		X		C	1	X	X	X									NaHSO ₄ : NABIS	
CS-7 (4')	8/26/2022		X		C	1	X	X	X									Na ₂ S ₂ O ₃ : NaSO ₃	
CS-8 (4')	8/26/2022		X		C	1	X	X	X									Zn Acetate+NaOH: Zn	
CS-9 (4')	8/26/2022		X		C	1	X	X	X									NaOH+Ascorbic Acid: SAPC	
CS-10 (4')	8/26/2022		X		C	1	X	X	X										

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	8/26/22	<i>Todd Wells</i>	8-26-22 1354

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

Chain of Custody

Work Order No: H223940

Page 2 of 2

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

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

Project Name:	Mamba 30 State Com #744-745	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	1085	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush															None: NO	DI Water: H ₂ O
Project Location:	Lea Co. NM	Due Date:	24 hrs.														Coal: Coal	MeOH: Me
Sampler's Name:	CRM / GPJ																HCL: HCL	HNO ₃ : HN
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP	
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:															Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SAsPC	

Sample Identification	Date	Time	Soil	Water	Soil Comp	# of Cont																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Email to: Mike Carmona Mcarmona@carmonaresources.com and Conner Moehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	8/26/22	<i>Todd Wells</i>	8-26-22 1354



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

September 02, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: MAMBA 30 STATE COM #744 - 745

Enclosed are the results of analyses for samples received by the laboratory on 09/01/22 16:03.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/01/2022
 Reported: 09/02/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/01/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 17 (3.5') (H224032-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2022	ND	1.88	94.1	2.00	2.37	
Toluene*	<0.050	0.050	09/02/2022	ND	1.86	92.9	2.00	3.74	
Ethylbenzene*	<0.050	0.050	09/02/2022	ND	1.84	91.9	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/02/2022	ND	5.72	95.4	6.00	3.35	
Total BTX	<0.300	0.300	09/02/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/02/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	196	98.2	200	0.701	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	194	96.8	200	7.14	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.3 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/01/2022
 Reported: 09/02/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/01/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 18 (3.5') (H224032-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2022	ND	1.88	94.1	2.00	2.37	
Toluene*	<0.050	0.050	09/02/2022	ND	1.86	92.9	2.00	3.74	
Ethylbenzene*	<0.050	0.050	09/02/2022	ND	1.84	91.9	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/02/2022	ND	5.72	95.4	6.00	3.35	
Total BTX	<0.300	0.300	09/02/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/02/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	196	98.2	200	0.701	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	194	96.8	200	7.14	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 81.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/01/2022
 Reported: 09/02/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/01/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 19 (3.5') (H224032-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2022	ND	1.88	94.1	2.00	2.37		
Toluene*	<0.050	0.050	09/02/2022	ND	1.86	92.9	2.00	3.74		
Ethylbenzene*	<0.050	0.050	09/02/2022	ND	1.84	91.9	2.00	4.50		
Total Xylenes*	<0.150	0.150	09/02/2022	ND	5.72	95.4	6.00	3.35		
Total BTEx	<0.300	0.300	09/02/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	09/02/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	196	98.2	200	0.701	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	194	96.8	200	7.14	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/01/2022
 Reported: 09/02/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/01/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 20 (3.5') (H224032-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2022	ND	1.88	94.1	2.00	2.37		
Toluene*	<0.050	0.050	09/02/2022	ND	1.86	92.9	2.00	3.74		
Ethylbenzene*	<0.050	0.050	09/02/2022	ND	1.84	91.9	2.00	4.50		
Total Xylenes*	<0.150	0.150	09/02/2022	ND	5.72	95.4	6.00	3.35		
Total BTEx	<0.300	0.300	09/02/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/02/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	196	98.2	200	0.701	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	194	96.8	200	7.14	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/01/2022
 Reported: 09/02/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/01/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 21 (3.5') (H224032-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2022	ND	1.88	94.1	2.00	2.37	
Toluene*	<0.050	0.050	09/02/2022	ND	1.86	92.9	2.00	3.74	
Ethylbenzene*	<0.050	0.050	09/02/2022	ND	1.84	91.9	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/02/2022	ND	5.72	95.4	6.00	3.35	
Total BTX	<0.300	0.300	09/02/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/02/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	196	98.2	200	0.701	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	194	96.8	200	7.14	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 88.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/01/2022
 Reported: 09/02/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/01/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 22 (3.5') (H224032-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2022	ND	1.88	94.1	2.00	2.37		
Toluene*	<0.050	0.050	09/02/2022	ND	1.86	92.9	2.00	3.74		
Ethylbenzene*	<0.050	0.050	09/02/2022	ND	1.84	91.9	2.00	4.50		
Total Xylenes*	<0.150	0.150	09/02/2022	ND	5.72	95.4	6.00	3.35		
Total BTX	<0.300	0.300	09/02/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/02/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	196	98.2	200	0.701	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	194	96.8	200	7.14	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.2 % 46.3-178

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Analytical Results For:

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

Received: 09/01/2022
 Reported: 09/02/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/01/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 23 (3.5') (H224032-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2022	ND	1.88	94.1	2.00	2.37		
Toluene*	<0.050	0.050	09/02/2022	ND	1.86	92.9	2.00	3.74		
Ethylbenzene*	<0.050	0.050	09/02/2022	ND	1.84	91.9	2.00	4.50		
Total Xylenes*	<0.150	0.150	09/02/2022	ND	5.72	95.4	6.00	3.35		
Total BTX	<0.300	0.300	09/02/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/02/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	196	98.2	200	0.701	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	194	96.8	200	7.14	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.1 % 46.3-178

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Analytical Results For:

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

Received: 09/01/2022
 Reported: 09/02/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/01/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 24 (3.5') (H224032-08)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2022	ND	1.88	94.1	2.00	2.37	
Toluene*	<0.050	0.050	09/02/2022	ND	1.86	92.9	2.00	3.74	
Ethylbenzene*	<0.050	0.050	09/02/2022	ND	1.84	91.9	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/02/2022	ND	5.72	95.4	6.00	3.35	
Total BTX	<0.300	0.300	09/02/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/02/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	196	98.2	200	0.701	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	194	96.8	200	7.14	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.6 % 46.3-178

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Analytical Results For:

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

Received: 09/01/2022
 Reported: 09/02/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/01/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 25 (3.5') (H224032-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2022	ND	1.88	94.1	2.00	2.37		
Toluene*	<0.050	0.050	09/02/2022	ND	1.86	92.9	2.00	3.74		
Ethylbenzene*	<0.050	0.050	09/02/2022	ND	1.84	91.9	2.00	4.50		
Total Xylenes*	<0.150	0.150	09/02/2022	ND	5.72	95.4	6.00	3.35		
Total BTEx	<0.300	0.300	09/02/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/02/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	196	98.2	200	0.701	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	194	96.8	200	7.14	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 87.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.0 % 46.3-178

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Analytical Results For:

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

Received: 09/01/2022
 Reported: 09/02/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/01/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 26 (3.5') (H224032-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2022	ND	1.82	90.8	2.00	4.04		
Toluene*	<0.050	0.050	09/01/2022	ND	1.80	90.1	2.00	7.30		
Ethylbenzene*	<0.050	0.050	09/01/2022	ND	1.79	89.3	2.00	5.82		
Total Xylenes*	<0.150	0.150	09/01/2022	ND	5.58	92.9	6.00	6.93		
Total BTEx	<0.300	0.300	09/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/02/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	197	98.5	200	3.22	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	215	107	200	0.948	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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Analytical Results For:

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

Received: 09/01/2022
 Reported: 09/02/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/01/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 28 (3.5') (H224032-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2022	ND	1.82	90.8	2.00	4.04		
Toluene*	<0.050	0.050	09/01/2022	ND	1.80	90.1	2.00	7.30		
Ethylbenzene*	<0.050	0.050	09/01/2022	ND	1.79	89.3	2.00	5.82		
Total Xylenes*	<0.150	0.150	09/01/2022	ND	5.58	92.9	6.00	6.93		
Total BTEx	<0.300	0.300	09/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	09/02/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	197	98.5	200	3.22	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	215	107	200	0.948	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 138 % 46.3-178

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Analytical Results For:

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

Received: 09/01/2022
 Reported: 09/02/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/01/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 5 (3.5') (H224032-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2022	ND	1.82	90.8	2.00	4.04		
Toluene*	<0.050	0.050	09/01/2022	ND	1.80	90.1	2.00	7.30		
Ethylbenzene*	<0.050	0.050	09/01/2022	ND	1.79	89.3	2.00	5.82		
Total Xylenes*	<0.150	0.150	09/01/2022	ND	5.58	92.9	6.00	6.93		
Total BTEx	<0.300	0.300	09/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/02/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	197	98.5	200	3.22	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	215	107	200	0.948	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 131 % 46.3-178

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Analytical Results For:

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

Received: 09/01/2022
 Reported: 09/02/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/01/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 6 (3.5') (H224032-13)

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	09/01/2022	ND	1.82	90.8	2.00	4.04		
Toluene*	<0.050	0.050	09/01/2022	ND	1.80	90.1	2.00	7.30		
Ethylbenzene*	<0.050	0.050	09/01/2022	ND	1.79	89.3	2.00	5.82		
Total Xylenes*	<0.150	0.150	09/01/2022	ND	5.58	92.9	6.00	6.93		
Total BTEx	<0.300	0.300	09/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/02/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	197	98.5	200	3.22	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	215	107	200	0.948	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H224032

Page 1 of 2

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

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

Project Name:		Mamba 30 State Com #744-745		Turn Around		Pres. Codes	ANALYSIS REQUEST												Preservative Codes	
Project Number:	1085	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush				None: NO	DI Water: H ₂ O												
Project Location:	Lea Co, NM	Due Date:	24 hrs.			Cool: Cool	MeOH: Me													
Sampler's Name:	GPJ					HCL: HC	HNO ₃ : HN													
PO #:						H ₂ SO ₄ : H ₂	NaOH: Na													
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	H ₃ PO ₄ : HP														
Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:				NaHSO ₄ : NABIS														
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:				Na ₂ S ₂ O ₅ : NaSO ₃														
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:				Zn Acetate+NaOH: Zn														
Total Containers:		Corrected Temperature:				NaOH+Ascorbic Acid: SAPC														
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont													Sample Comments
CS-17 (3.5')		9/1/2022		X		C	1	X	X	X										
CS-18 (3.5')		9/1/2022		X		C	1	X	X	X										
CS-19 (3.5')		9/1/2022		X		C	1	X	X	X										
CS-20 (3.5')		9/1/2022		X		C	1	X	X	X										
CS-21 (3.5')		9/1/2022		X		C	1	X	X	X										
CS-22 (3.5')		9/1/2022		X		C	1	X	X	X										
CS-23 (3.5')		9/1/2022		X		C	1	X	X	X										
CS-24 (3.5')		9/1/2022		X		C	1	X	X	X										
CS-25 (3.5')		9/1/2022		X		C	1	X	X	X										
CS-26 (3.5')		9/1/2022		X		C	1	X	X	X										

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9/1/22 1605		9/1/22 1605

Chain of Custody

Work Order No: 1004030

Page 2 of 2


Page 17 of 17

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

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

Project Name:	Mamba 30 State Com #744-745	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	1085	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush															None: NO		
Project Location:	Lea Co, NM	Due Date:	24 hrs.															Cool: Cool		
Sampler's Name:	GPJ																	HCL: HCL		
PO #:		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₂ SO ₄ : H ₂		
SAMPLE RECEIPT		Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113													H ₃ PO ₄ : HP		
		Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.6°C													Na ₂ S ₂ O ₅ : NaSO ₃		
		Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	5.8°C													Zn Acetate+NaOH: Zn		
		Total Containers:		Corrected Temperature:	5.2°C													NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-28 (3.5')	9/1/2022		X		C	1	X	X	X											
SW-5 (3.5')	9/1/2022		X		C	1	X	X	X											
SW-6 (3.5')	9/1/2022		X		C	1	X	X	X											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9/22/1603	Spokane	9/22/1603



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

September 09, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: MAMBA 30 STATE COM #744 - 745

Enclosed are the results of analyses for samples received by the laboratory on 09/08/22 12:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/08/2022	Sampling Date:	09/08/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	MAMBA 30 STATE COM #744 - 745	Sampling Condition:	Cool & Intact
Project Number:	1085	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

Sample ID: CS - 27 (3.5') (H224125-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04	QM-07
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0	QM-07
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5	QM-07
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8	
Total BTEX	<0.300	0.300	09/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 29 (3.5') (H224125-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04		
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8		
Total BTEX	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 94.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/08/2022	Sampling Date:	09/08/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	MAMBA 30 STATE COM #744 - 745	Sampling Condition:	Cool & Intact
Project Number:	1085	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

Sample ID: CS - 30 (3.5') (H224125-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04		
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8		
Total BTEX	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 92.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 31 (3.5') (H224125-04)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04		
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8		
Total BTX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	09/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 32 (3.5') (H224125-05)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04		
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8		
Total BTX	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 33 (3.5') (H224125-06)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04		
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8		
Total BTEX	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	09/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 34 (3.5') (H224125-07)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04		
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8		
Total BTEX	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	09/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 92.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.9 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 35 (3.5') (H224125-08)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04		
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8		
Total BTEX	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	09/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 88.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.4 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 36 (3.5') (H224125-09)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04		
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8		
Total BTEX	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	09/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.4 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 37 (4') (H224125-10)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04	
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0	
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5	
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8	
Total BTEX	<0.300	0.300	09/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.3 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 38 (4') (H224125-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04		
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8		
Total BTEx	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 83.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.9 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 39 (4') (H224125-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04		
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8		
Total BTEX	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 95.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.8 % 46.3-178

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Analytical Results For:

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

Received:	09/08/2022	Sampling Date:	09/08/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	MAMBA 30 STATE COM #744 - 745	Sampling Condition:	Cool & Intact
Project Number:	1085	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

Sample ID: CS - 40 (4') (H224125-13)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04	
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0	
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5	
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8	
Total BTX	<0.300	0.300	09/08/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	09/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 95.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.6 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 41 (4') (H224125-14)

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	09/08/2022	ND	1.92	95.8	2.00	7.04		
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8		
Total BTEx	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	09/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

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

Received:	09/08/2022	Sampling Date:	09/08/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	MAMBA 30 STATE COM #744 - 745	Sampling Condition:	Cool & Intact
Project Number:	1085	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

Sample ID: CS - 42 (4') (H224125-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04		
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8		
Total BTEx	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 43 (4') (H224125-16)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04		
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8		
Total BTX	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 44 (4') (H224125-17)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04	
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0	
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5	
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8	
Total BTX	<0.300	0.300	09/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 89.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.5 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 45 (4') (H224125-18)

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	09/08/2022	ND	1.92	95.8	2.00	7.04	
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0	
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5	
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8	
Total BTEx	<0.300	0.300	09/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	09/09/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.1 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 46 (4') (H224125-19)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04	
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0	
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5	
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8	
Total BTX	<0.300	0.300	09/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 94.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.8 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 47 (4') (H224125-20)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2022	ND	1.92	95.8	2.00	7.04	
Toluene*	<0.050	0.050	09/08/2022	ND	1.86	92.9	2.00	10.0	
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.72	85.9	2.00	15.5	
Total Xylenes*	<0.150	0.150	09/08/2022	ND	5.37	89.5	6.00	14.8	
Total BTX	<0.300	0.300	09/08/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	223	111	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 80.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.4 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 48 (4') (H224125-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTEX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 77.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.3 % 46.3-178

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Analytical Results For:

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

Received:	09/08/2022	Sampling Date:	09/08/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	MAMBA 30 STATE COM #744 - 745	Sampling Condition:	Cool & Intact
Project Number:	1085	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

Sample ID: CS - 49 (4') (H224125-22)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.5 % 46.3-178

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Analytical Results For:

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

Received:	09/08/2022	Sampling Date:	09/08/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	MAMBA 30 STATE COM #744 - 745	Sampling Condition:	Cool & Intact
Project Number:	1085	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

Sample ID: CS - 50 (4') (H224125-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTEx	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 51 (4') (H224125-24)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 71.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.5 % 46.3-178

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Analytical Results For:

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

Received:	09/08/2022	Sampling Date:	09/08/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	MAMBA 30 STATE COM #744 - 745	Sampling Condition:	Cool & Intact
Project Number:	1085	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

Sample ID: CS - 52 (4') (H224125-25)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/09/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.1 % 46.3-178

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Analytical Results For:

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

Received:	09/08/2022	Sampling Date:	09/08/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	MAMBA 30 STATE COM #744 - 745	Sampling Condition:	Cool & Intact
Project Number:	1085	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

Sample ID: CS - 53 (4') (H224125-26)

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	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTEx	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 67.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.8 % 46.3-178

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Analytical Results For:

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

Received:	09/08/2022	Sampling Date:	09/08/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	MAMBA 30 STATE COM #744 - 745	Sampling Condition:	Cool & Intact
Project Number:	1085	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

Sample ID: CS - 54 (4') (H224125-27)

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	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTEx	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 86.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.1 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 55 (4') (H224125-28)

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	09/08/2022	ND	2.09	104	2.00	7.03	
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35	
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96	
Total BTEx	<0.300	0.300	09/08/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.6 % 46.3-178

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Analytical Results For:

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

Received:	09/08/2022	Sampling Date:	09/08/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	MAMBA 30 STATE COM #744 - 745	Sampling Condition:	Cool & Intact
Project Number:	1085	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

Sample ID: CS - 56 (4') (H224125-29)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.3 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 57 (4') (H224125-30)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.9 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 58 (4') (H224125-31)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 69.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.2 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 59 (4') (H224125-32)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTEX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 76.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 60 (4') (H224125-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTEx	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 74.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.3 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 (0.5') (H224125-34)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 82.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.5 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 (4') (H224125-35)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	09/09/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 72.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.8 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 (4') (H224125-36)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTEX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/09/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 73.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.9 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 10 (4') (H224125-37)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/09/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 76.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.9 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 11 (4') (H224125-38)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTEx	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	09/09/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 79.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.2 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 12 (4') (H224125-39)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTX	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/09/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.0 % 46.3-178

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Analytical Results For:

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

Received: 09/08/2022
 Reported: 09/09/2022
 Project Name: MAMBA 30 STATE COM #744 - 745
 Project Number: 1085
 Project Location: EOG - LEA CO., NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 13 (4') (H224125-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	2.09	104	2.00	7.03		
Toluene*	<0.050	0.050	09/08/2022	ND	2.04	102	2.00	8.35		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	2.01	100	2.00	7.48		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.20	103	6.00	7.96		
Total BTEx	<0.300	0.300	09/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	09/09/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2022	ND	208	104	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/09/2022	ND	199	99.3	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	09/09/2022	ND					

Surrogate: 1-Chlorooctane 72.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Work Order No: 1-224125

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

Email to: [Mike Carmona Mcarmona@carmonaresources.com](mailto:Mike.Carmona@carmonaresources.com) and [Conner Moehring@carmonaresources.com](mailto:Conner.Moehring@carmonaresources.com)

Released to Imaging: 11/4/2022 2:23:06 PM

Chain of Custody

Work Order No: H22412



Page 2 of 4

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

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

Project Name:	Mamba 30 State Com #744-745	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	24 hrs.	Pres. Code	
Project Number:	1085						
Project Location:	Lea Co, NM						
Sampler's Name:	GPJ						
PO #:							
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters	
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:				BTEX 8021B	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.62			TPH 8015M (GRO + DRO + MRO)	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	31.6			Chloride 4500	
Total Containers:		Corrected Temperature:	29.52				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	
CS-38 (4)	9/8/2022		X		C	1	X
CS-39 (4)	9/8/2022		X		C	1	X
CS-40 (4)	9/8/2022		X		C	1	X
CS-41 (4)	9/8/2022		X		C	1	X
CS-42 (4)	9/8/2022		X		C	1	X
CS-43 (4)	9/8/2022		X		C	1	X
CS-44 (4)	9/8/2022		X		C	1	X
CS-45 (4)	9/8/2022		X		C	1	X
CS-46 (4)	9/8/2022		X		C	1	X

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9-8-22 1:30		

Chain of Custody

Work Order No: H22412

Page 3 of 4

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

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

Project Name:	Mamba 30 State Com #744-745	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	1085	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		None: NO	DI Water: H ₂ O														
Project Location	Lea Co, NM	Due Date:	24 hrs.													Cool: Cool	MeOH: Me			
Sampler's Name:	GPJ															HCL: HC	HNO ₃ : HN			
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:																Na ₂ S ₂ O ₅ : NaSO ₃		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:																Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
CS-47 (4')	9/8/2022			X		C	1	X	X	X										
CS-48 (4')	9/8/2022			X		C	1	X	X	X										
CS-49 (4')	9/8/2022			X		C	1	X	X	X										
CS-50 (4')	9/8/2022			X		C	1	X	X	X										
CS-51 (4')	9/8/2022			X		C	1	X	X	X										
CS-52 (4')	9/8/2022			X		C	1	X	X	X										
CS-53 (4')	9/8/2022			X		C	1	X	X	X										
CS-54 (4')	9/8/2022			X		C	1	X	X	X										
CS-55 (4')	9/8/2022			X		C	1	X	X	X										
CS-56 (4')	9/8/2022			X		C	1	X	X	X										

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9-8-22 1230		

Chain of Custody

Work Order No: H2241235

Page 4 of 4

Page 46 of 46



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

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

Project Name:	Mamba 30 State Com #744-745	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	1085	Due Date:	24 hrs.		
Project Location:	Lea Co, NM				
Sampler's Name:	GPJ				
PO #:					
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:			
Total Containers:		Corrected Temperature:			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST												Preservative Codes	Sample Comments
CS-57 (4')	9/8/2022		X		C	1	X	X	X											None: NO	DI Water: H ₂ O
CS-58 (4')	9/8/2022		X		C	1	X	X	X											Cool: Cool	MeOH: Me
CS-59 (4')	9/8/2022		X		C	1	X	X	X											HCL: HC	HNO ₃ : HN
CS-60 (4')	9/8/2022		X		C	1	X	X	X											H ₂ SO ₄ : H ₂	NaOH: Na
SW-7 (0.5')	9/8/2022		X		C	1	X	X	X											H ₃ PO ₄ : HP	
SW-8 (4')	9/8/2022		X		C	1	X	X	X											NaHSO ₄ : NABIS	
SW-9 (4')	9/8/2022		X		C	1	X	X	X											Na ₂ S ₂ O ₅ : NaSO ₃	
SW-10 (4')	9/8/2022		X		C	1	X	X	X											Zn Acetate+NaOH: Zn	
SW-11 (4')	9/8/2022		X		C	1	X	X	X											NaOH+Ascorbic Acid: SAPC	
SW-12 (4')	9/8/2022		X		C	1	X	X	X												
SW-13 (4')	9/8/2022		X		C	1	X	X	X												

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9-8-22 1236		



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

September 12, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: MAMBA 30 STATE COM #744 - 745

Enclosed are the results of analyses for samples received by the laboratory on 09/09/22 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/09/2022	Sampling Date:	09/09/2022
Reported:	09/12/2022	Sampling Type:	Soil
Project Name:	MAMBA 30 STATE COM #744 - 745	Sampling Condition:	Cool & Intact
Project Number:	1085	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO., NM		

Sample ID: SW - 8 (4') (H224158-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/10/2022	ND	2.07	104	2.00	3.84		
Toluene*	<0.050	0.050	09/10/2022	ND	2.01	101	2.00	2.93		
Ethylbenzene*	<0.050	0.050	09/10/2022	ND	1.98	99.0	2.00	3.73		
Total Xylenes*	<0.150	0.150	09/10/2022	ND	6.08	101	6.00	3.86		
Total BTEX	<0.300	0.300	09/10/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	09/12/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2022	ND	211	105	200	2.08	
DRO >C10-C28*	<10.0	10.0	09/10/2022	ND	212	106	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	09/10/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Work Order No: H224158

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

Email to: [Mike Carmona Mcarmona@carmonaresources.com](mailto:Mike.Carmona@carmonaresources.com) and [Conner Moehring@carmonaresources.com](mailto:Conner.Moehring@carmonaresources.com)

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

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

CONDITIONS

Action 151427

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 151427
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	11/4/2022