



**SITE INFORMATION**

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**Closure Report**

**8" Poly Apache's R4 Satellite/Redwood's Pecos Valley E Meter**

**Incident ID: nAPP2318030017**

**Eddy County, New Mexico**

**Unit H Sec 17 T18S R27E**

**32.749939°, -104.293164°**

**Produced Water and Condensate Release**

**Point of Release: Equipment Failure**

**Release Date: 06/28/23**

**Volume Released: 21 Barrels of Produced Water**

**Volume Recovered: 0 Barrels of Produced Water**

**CARMONA RESOURCES**



**ABO-Redwood Pecks-8-P08082023**

**Incident ID: nAPP2322029113**

**Eddy County, New Mexico**

**Unit H Sec 17 T18S R27E**

**32.7501070°, -104.2931440°**

**Incident ID: nAPP2322029113**

**Condensate Release and Natural Gas Release**

**Point of Release: Equipment Failure**

**Release Date: 08/07/23**

**Volume Released: 15 Barrels of Condensate**

**Volume Recovered: 0 Barrels of Condensate**

**Prepared for:**

**Durango Midstream**

**47 Conoco Rd.**

**Maljamar, New Mexico 88264**

**Prepared by:**

**Carmona Resources, LLC**

**310 West Wall Street**

**Suite 500**

**Midland, Texas 79701**



November 14, 2023

Mike Bratcher  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, New Mexico 88210

**Re: Closure Report**  
**Incident ID: nAPP2318030017 & nAPP2322029113**  
**Durango Midstream**  
**Site Location: Unit H S17 T18S, R27E**  
**(Lat 32.749939°, Long -104.293164°)**  
**Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Durango Midstream (Durango), Carmona Resources, LLC has prepared this letter to document site activities for the 8" Poly Apache's R4 Satellite/Redwood's Pecos Valley E Meter and ABO-Redwood Pecks-8-P08082023. The sites are located at 32.749939, -104.293164 within Unit H, S17, T18S, R27E, in Eddy County, New Mexico (Figures 1 and 2).

## **2.0 Site Information and Background**

### **nAPP2318030017**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 28, 2023, caused by a line leak due to deterioration. It resulted in the release of approximately twenty-one (21) barrels of produced water and zero (0) barrels of produced water recovered. The spill path is shown in Figure 3. The initial C-141 form is attached in Appendix C.

### **nAPP2322029113**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 7, 2023, due to a high-pressure threshold and extremely hot temperatures causing a polyline rupture. It resulted in the release of approximately fifteen (15) barrels of condensate and zero (0) barrels of condensate recovered. This spill path is directly on top of the initial release that occurred on June 28, 2023. The spill path is shown in Figure 3. The initial C-141 form is attached in Appendix C.

## **2.0 Site Characterization and Groundwater**

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 2.01 miles south of the site in S28, T18S, R27E and was drilled in 1960. The well has a reported groundwater depth of 100 feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

## **3.0 NMAC Regulatory Criteria**

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

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



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

On July 18, 2023, and August 29, 2023, Carmona Resources personnel were on site to perform site assessment activities to evaluate soil impacts stemming from both releases. A total of twelve (12) trenches (T-1 through T-12) and fifteen (15) horizontals were advanced to depths ranging from surface to 4' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to an accredited laboratory. 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 300.0/4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

See Table 1 for the analytical results.

#### **5.0 Remediation Activities**

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on September 15, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of fifty-six (56) floor confirmation samples were collected (CS-1 through CS-56), and thirty-six (36) sidewall samples (SW-1 through SW-36) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4. All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride.

See Table 2 for the analytical results.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 1,060 cubic yards of material were excavated and transported offsite for proper disposal.

#### **6.0 Reclamation Activities**

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. The backfilled areas were seeded on October 26, 2023. The appropriate pounds of pure live seed per acre were used. The seeds were applied via hand broadcasting method. The topsoil was raked onto the seed to aid the vegetation process. The seed mixture used was the BLM – LPC Sand/Shinnery Sites. (See attachments in Appendix F).

#### **7.0 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 Durango formally requests the closure of both spills. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

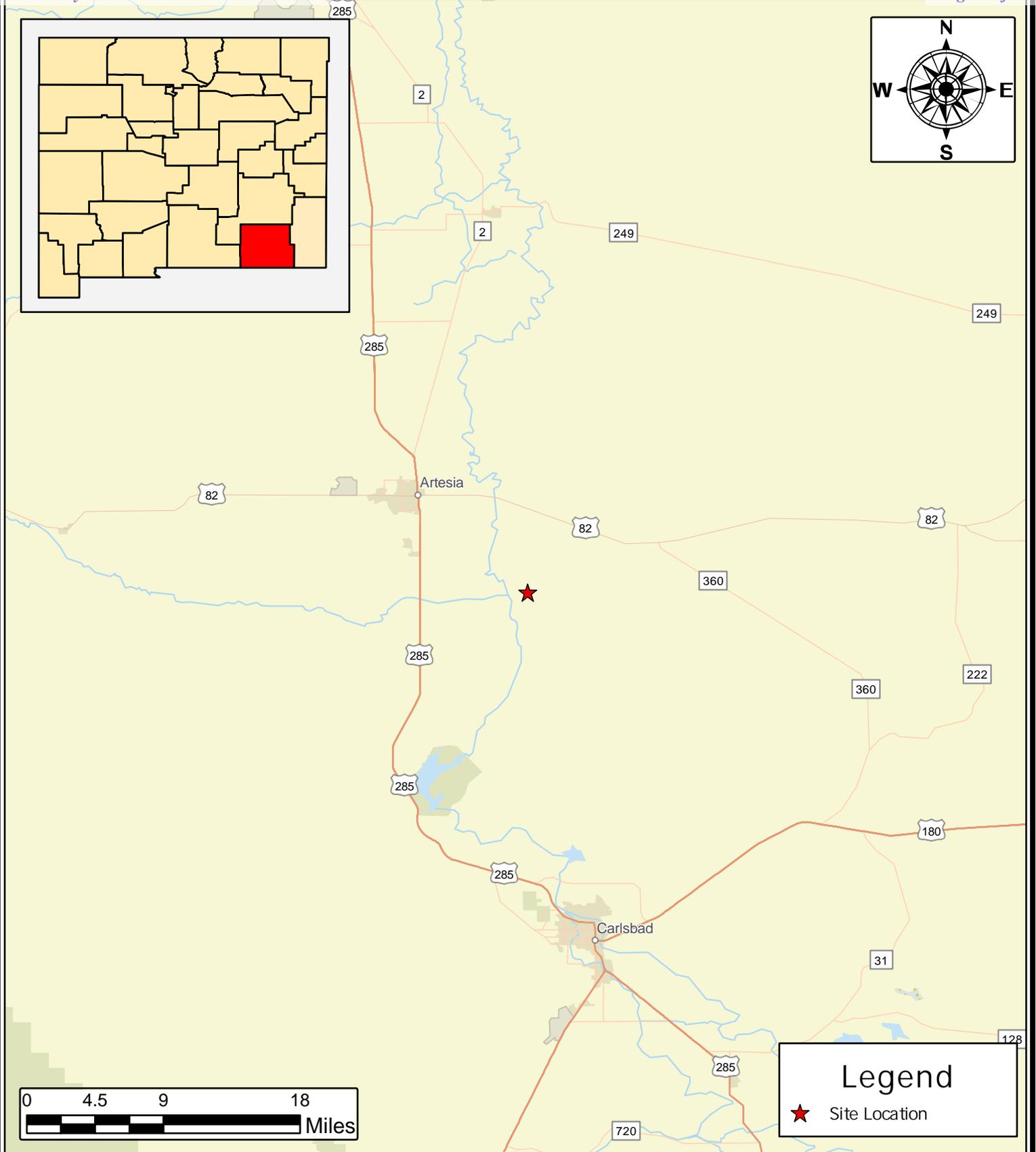
Conner Moehring  
Sr. Project Manager

Clinton Merritt  
Sr. Project Manager

# FIGURES

CARMONA RESOURCES





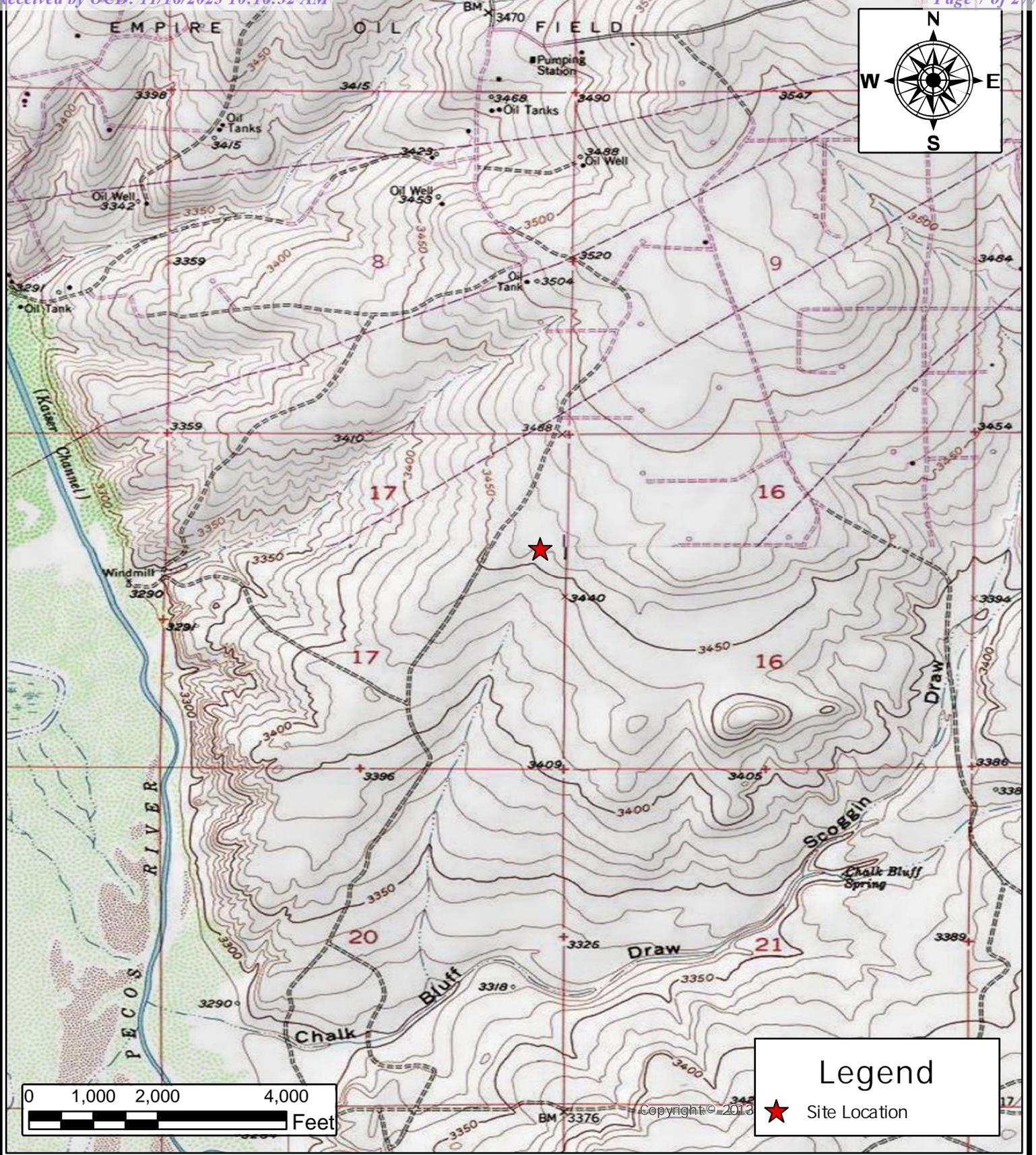
**OVERVIEW MAP**  
**DURANGO MIDSTREAM**  
 APACHE - REDWOOD  
 EDDY COUNTY, NEW MEXICO  
 32.749939, -104.293164

SCALE: As Shown      Date: 7/27/2023

CARMONA RESOURCES   
**Carmona Resources**  
 310 West Wall Street, Suite 500  
 Midland, Texas 79701

**NOTES:**  
 1. Base Image: ESRI Maps & Data 2023  
 2. Map Projection: WGS84

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



**TOPOGRAPHIC MAP**  
**DURANGO MIDSTREAM**  
 APACHE - REDWOOD  
 EDDY COUNTY, NEW MEXICO  
 32.749939, -104.293164

SCALE: As Shown

Date: 7/27/2023



**Carmona Resources**  
 310 West Wall Street, Suite 500  
 Midland, Texas 79701

**NOTES:**

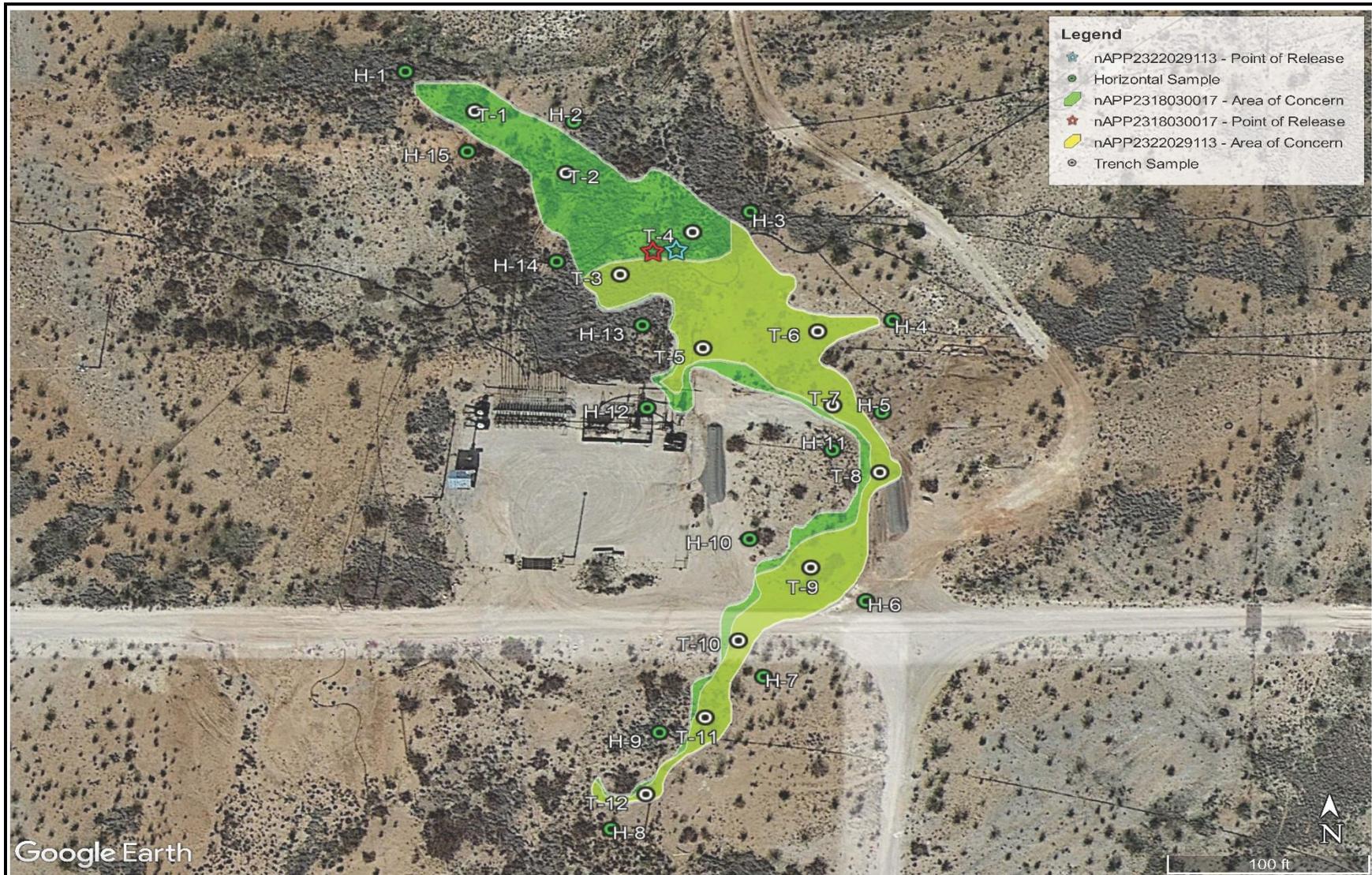
- 1. Base Image: ESRI Maps & Data 2023
- 2. Map Projection: WGS84

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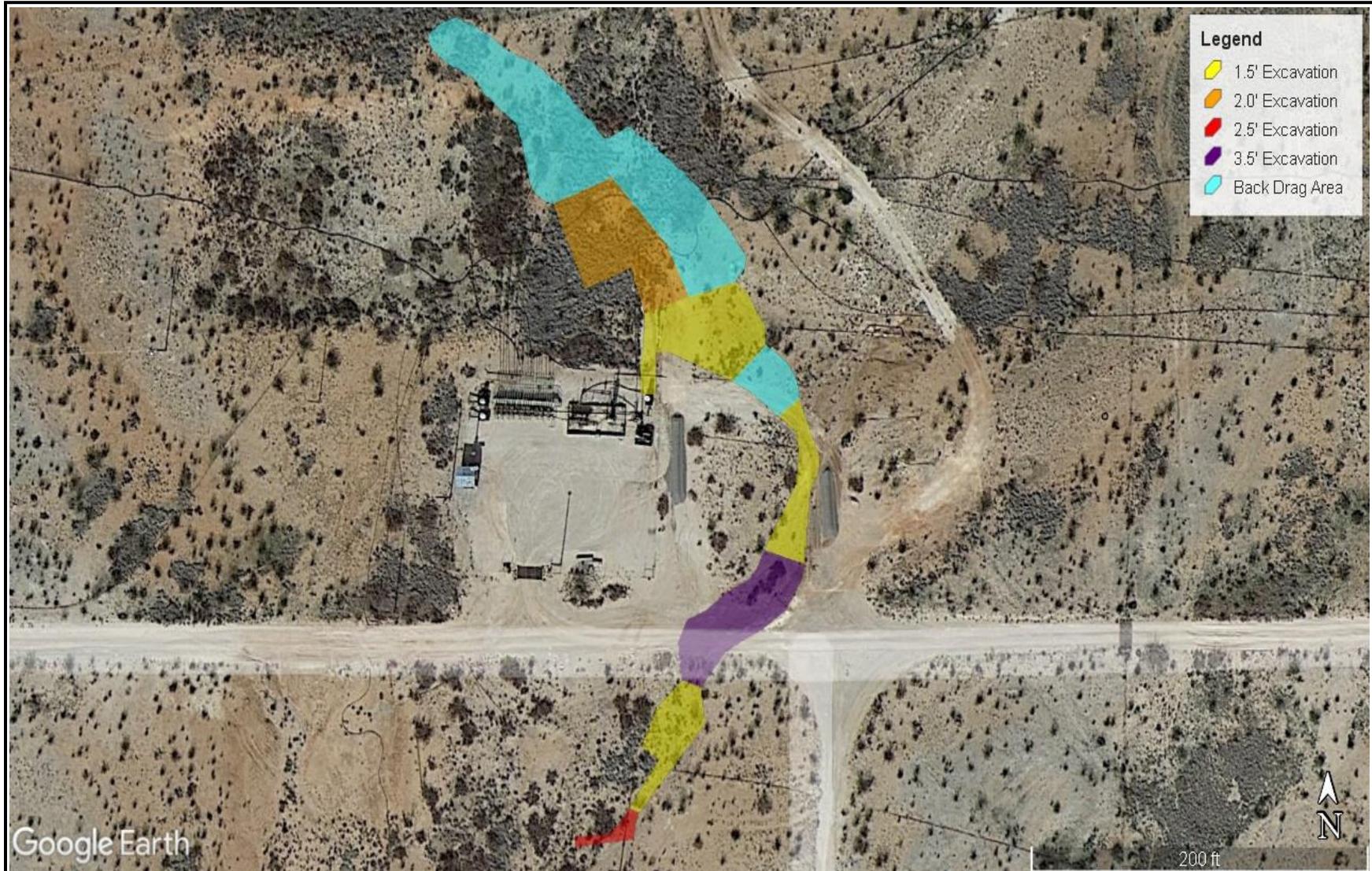
**FIGURE 2**

SHEET NUMBER:

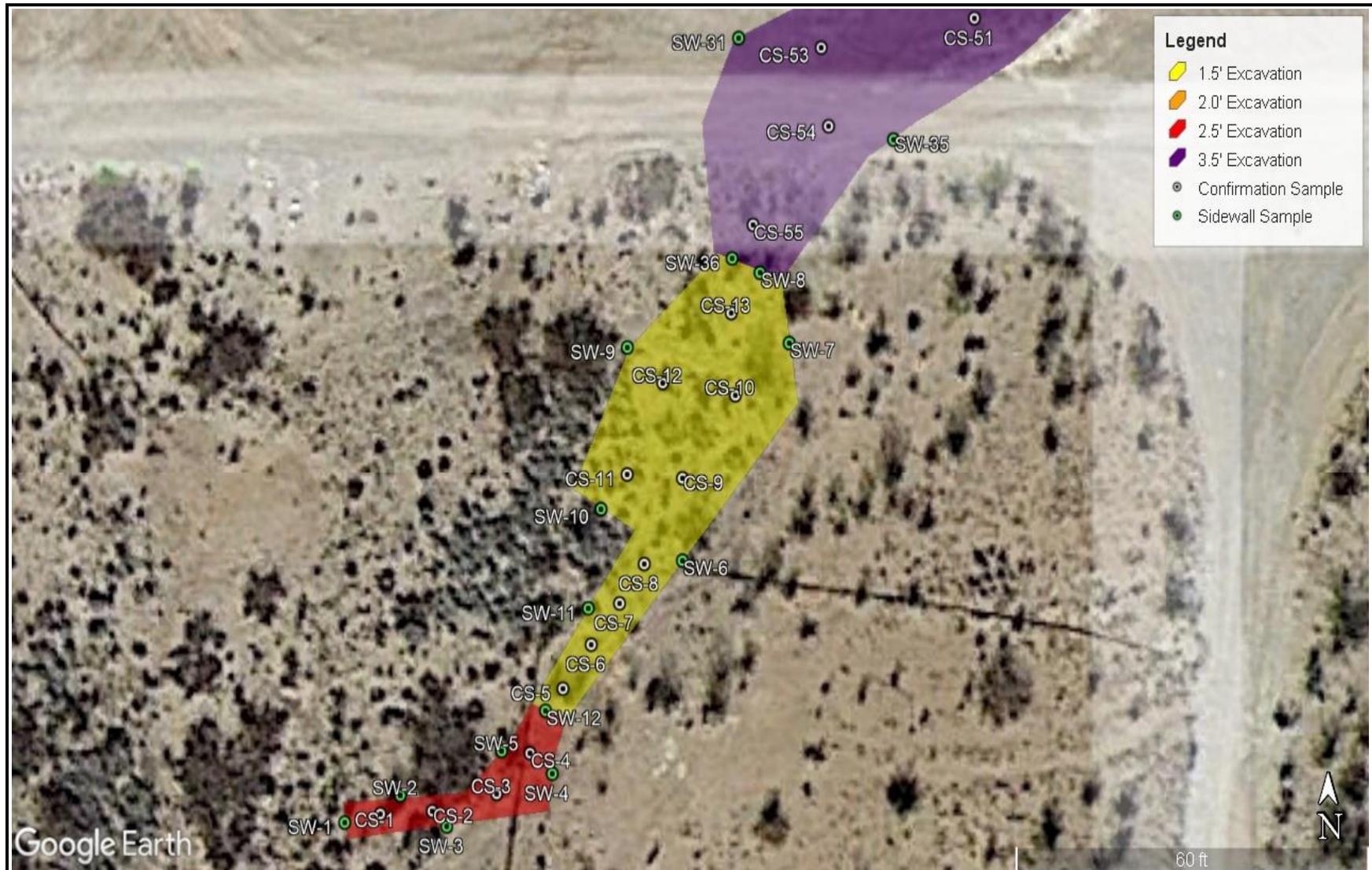
1 of 1



<p>SAMPLE LOCATION MAP DURANGO MIDSTREAM, LLC INCIDENT ID: NAPP2318030017 &amp; NAPP2322029113 EDDY COUNTY, NEW MEXICO (LAT 32.749939°, LONG -104.293164°)</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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<p>EXCAVATION MAP DURANGO MIDSTREAM, LLC INCIDENT ID: NAPP2318030017 &amp; NAPP2322029113 EDDY COUNTY, NEW MEXICO (LAT 32.749939°, LONG -104.293164°)</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4 OVERVIEW</p>
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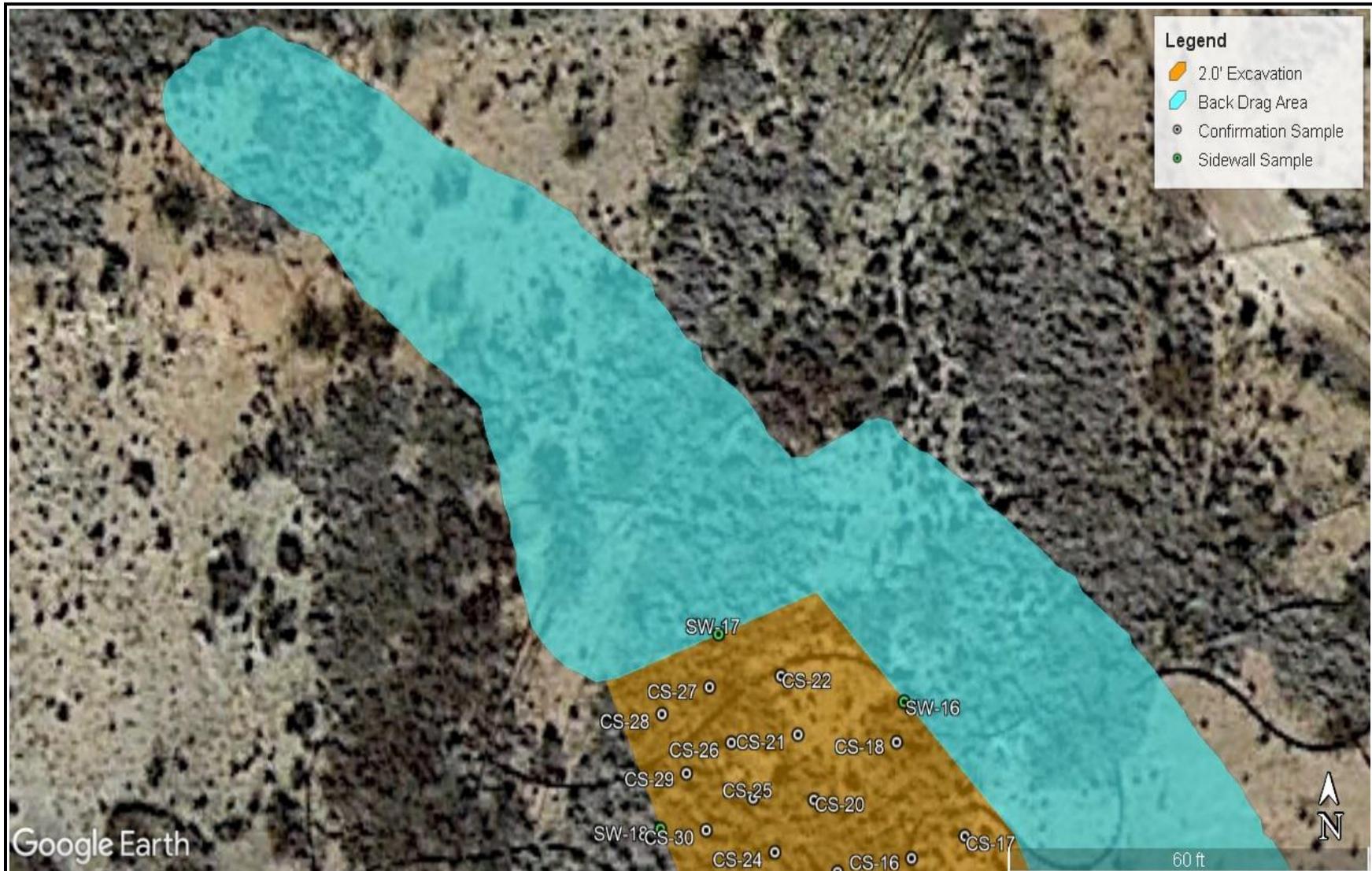
<p>EXCAVATION MAP DURANGO MIDSTREAM, LLC INCIDENT ID: NAPP2318030017 &amp; NAPP2322029113 EDDY COUNTY, NEW MEXICO (LAT 32.749939°, LONG -104.293164°)</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4A</p>
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<p>EXCAVATION MAP DURANGO MIDSTREAM, LLC INCIDENT ID: NAPP2318030017 &amp; NAPP2322029113 EDDY COUNTY, NEW MEXICO (LAT 32.749939°, LONG -104.293164°)</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4B</p>
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<p>EXCAVATION MAP DURANGO MIDSTREAM, LLC INCIDENT ID: NAPP2318030017 &amp; NAPP2322029113 EDDY COUNTY, NEW MEXICO (LAT 32.749939°, LONG -104.293164°)</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4C</p>
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<p>EXCAVATION MAP DURANGO MIDSTREAM, LLC INCIDENT ID: NAPP2318030017 &amp; NAPP2322029113 EDDY COUNTY, NEW MEXICO (LAT 32.749939°, LONG -104.293164°)</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4D</p>
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<p>RECLAMATION MAP DURANGO MIDSTREAM, LLC INCIDENT ID: NAPP2318030017 &amp; NAPP2322029113 EDDY COUNTY, NEW MEXICO (LAT 32.749939°, LONG -104.293164°)</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 5</p>
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# APPENDIX A

CARMONA RESOURCES



**Table 1**  
**Durango Midstream**  
**Incident ID: nAPP2318030017 & nAPP2322029113**  
**Eddy 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	8/30/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
T-2	8/30/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
T-3	8/30/2023	0-1	<10.0	118	11.6	<b>129.6</b>	<0.050	0.060	0.116	0.558	0.735	<b>2,040</b>
	"	1.5	94.4	44.0	<10.0	<b>138.4</b>	<0.050	0.386	0.294	3.10	3.78	80.0
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
T-4	8/30/2023	0-1	19.9	51.6	<10.0	71.5	<0.050	<0.050	0.060	0.362	0.422	176
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	0.058	0.218	<0.300	32.0
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
T-5	8/30/2023	0-1	<b>113</b>	<b>2360</b>	<b>470</b>	<b>2,943</b>	<0.050	0.288	1.00	4.59	5.88	<b>3,160</b>
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
T-6	8/30/2023	0-1	<10.0	<b>429</b>	<b>158</b>	<b>587</b>	<0.050	<0.050	<0.050	<0.150	<0.300	<b>3,320</b>
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
<i>Regulatory Criteria</i> <sup>A</sup>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

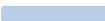
ft-feet

(T) Trench Sample

Removed

**Table 1**  
**Durango Midstream**  
**Incident ID: nAPP2318030017 & nAPP2322029113**  
**Eddy 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-7	8/30/2023	0-1	<10.0	81.5	28.7	81.5	<0.050	<0.050	<0.050	<0.150	<0.300	368
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
	"	2	<10.0	20.7	<10.0	20.7	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	3	<10.0	19.3	<10.0	19.3	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
T-8	8/30/2023	0-1	<10.0	71.2	22.7	93.9	<0.050	<0.050	<0.050	<0.150	<0.300	1,390
	"	1.5	<10.0	22.6	<10.0	22.6	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	2	<10.0	16.7	<10.0	16.7	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	3	<10.0	24.0	<10.0	24.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
T-9	8/30/2023	0-1	<10.0	491	227	718	<0.050	<0.050	<0.050	<0.150	<0.300	624
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	640
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	640
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	704
T-10	8/30/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	688
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	672
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	800
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
	"	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
T-11	8/30/2023	0-1	<10.0	382	133	515	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	3	<10.0	29.7	<10.0	29.7	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
T-12	8/30/2023	0-1	<10.0	40.2	<10.0	40.2	<0.050	<0.050	<0.050	<0.150	<0.300	2,120
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,470
	"	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,600
	"	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
	"	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>				<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed  
<sup>A</sup> - Table 1 - 19.15.29 NMAC  
 Removed  
 TPH- Total Petroleum Hydrocarbons  
 ft-feet  
 (T) Trench Sample  
 Removed

**Table 1**  
**Durango Midstream**  
**Incident ID: nAPP2318030017 & nAPP2322029113**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	7/18/2023	(0-0.5')	<50.3	<50.3	<50.3	<50.3	<0.00200	0.00407	<0.00200	<0.00401	0.00407	168
H-2	7/18/2023	(0-0.5')	<49.5	<49.5	<49.5	<49.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	195
H-3	7/18/2023	(0-0.5')	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	122
H-4	7/18/2023	(0-0.5')	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	47.9
H-5	7/18/2023	(0-0.5')	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	591
H-6	7/18/2023	(0-0.5')	<49.6	133	<49.6	133	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	24.1
	8/29/2023	(0-0.5')	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-7	7/18/2023	(0-0.5')	<50.3	63.7	<50.3	63.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	233
H-8	7/18/2023	(0-0.5')	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	39.6
H-9	7/18/2023	(0-0.5')	<49.6	53.3	<49.6	53.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	31.0
H-10	7/18/2023	(0-0.5')	<49.9	70.6	<49.9	70.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	32.0
H-11	7/18/2023	(0-0.5')	<50.0	51.4	<50.0	51.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	47.1
H-12	7/18/2023	(0-0.5')	<50.2	801	82.2	883	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	246
	8/29/2023	(0-0.5')	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-13	7/18/2023	(0-0.5')	<50.4	95.8	<50.4	95.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	27.1
H-14	7/18/2023	(0-0.5')	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	71.8
H-15	7/18/2023	(0-0.5')	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	78.0
<i>Regulatory Criteria</i> <sup>A</sup>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

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

TPH- Total Petroleum Hydrocarbons  
ft-feet

(H) Horizontals

Removed

**Table 2**  
**Durango Midstream**  
**Incident ID: nAPP2318030017 & Napp2322029113**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	9/21/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-2	9/21/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-3	9/21/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-4	9/21/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-5	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-6	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-7	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-8	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-9	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-10	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-11	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-12	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-13	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-14	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-15	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-16	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-17	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-18	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-19	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-20	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-21	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-22	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-23	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-24	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-25	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-26	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-27	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-28	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<i>Regulatory Criteria<sup>A</sup></i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

**Table 2**  
**Durango Midstream**  
**Incident ID: nAPP2318030017 & Napp2322029113**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-29	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-30	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-31	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-32	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-33	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-34	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-35	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-36	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-37	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-38	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-39	9/21/2023	1.5	<10.0	59.3	25.3	84.6	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-40	9/21/2023	1.5	<10.0	53.5	24.2	77.7	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-41	9/21/2023	1.5	<10.0	75.7	37.8	113.5	<0.050	<0.050	<0.050	<0.150	<0.300	432
	9/28/2023	1.75	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-42	9/21/2023	1.5	<10.0	71.7	36.1	107.8	<0.050	<0.050	<0.050	<0.150	<0.300	416
	9/28/2023	1.75	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-43	9/21/2023	1.5	<10.0	50.6	26.8	77.4	<0.050	<0.050	<0.050	<0.150	<0.300	448
CS-44	9/21/2023	1.5	<10.0	54.6	23.8	78.4	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-45	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-46	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-47	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-48	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-49	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-50	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-51	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-52	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-53	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-54	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-55	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-56	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<i>Regulatory Criteria<sup>A</sup></i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

**Table 2**  
**Durango Midstream**  
**Incident ID: nAPP2318030017 & nAPP2322029113**  
**Eddy 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	9/21/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-2	9/21/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-3	9/21/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-4	9/21/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-5	9/21/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-6	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-7	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-8	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-9	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-10	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-11	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-12	9/21/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-13	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-14	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-15	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-16	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-17	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-18	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<i>Regulatory Criteria<sup>A</sup></i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall Sample

**Table 2**  
**Durango Midstream**  
**Incident ID: nAPP2318030017 & nAPP2322029113**  
**Eddy 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-19	9/21/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-20	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-21	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-22	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-23	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-24	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-25	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-26	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-27	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-28	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-29	9/21/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-30	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-31	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-32	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-33	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-34	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-35	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-36	9/21/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>				<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall Sample

## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

## Durango Midstream

### Photograph No. 1

**Facility:** Incident ID: nAPP2318030017 & nAPP2322029113

**County:** Eddy County, New Mexico

**Description:**  
View Southeast of CS-1 through CS-13.



### Photograph No. 2

**Facility:** Incident ID: nAPP2318030017 & nAPP2322029113

**County:** Eddy County, New Mexico

**Description:**  
View Southwest of CS-14 through CS-32.



### Photograph No. 3

**Facility:** Incident ID: nAPP2318030017 & nAPP2322029113

**County:** Eddy County, New Mexico

**Description:**  
View North, area of CS-33 through CS-44.



# PHOTOGRAPHIC LOG

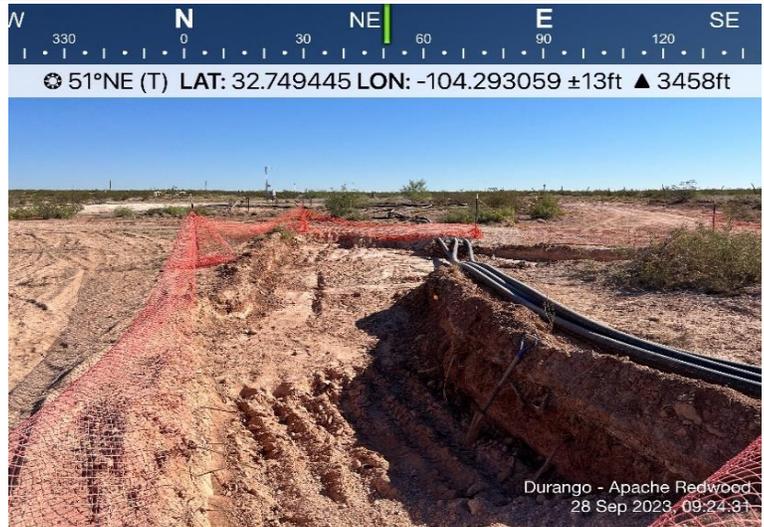
## Durango Midstream

### Photograph No. 4

**Facility:** Incident ID: nAPP2318030017 & nAPP2322029113

**County:** Eddy County, New Mexico

**Description:**  
View Northeast of CS-45 through CS-51.

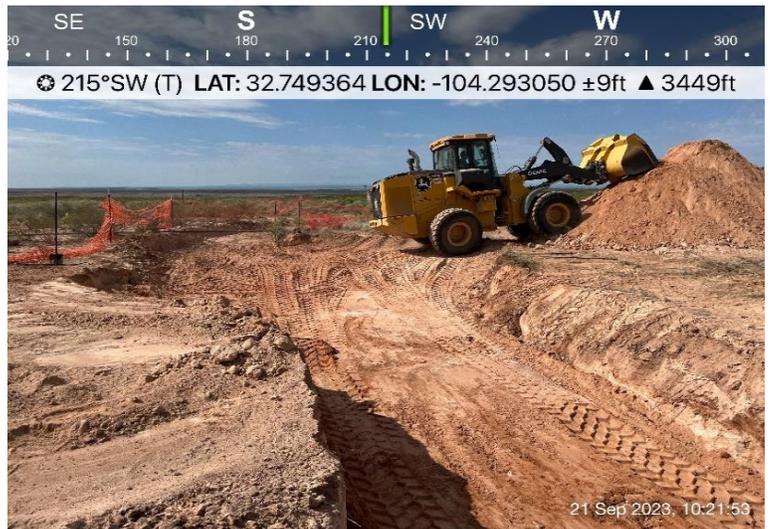


### Photograph No. 5

**Facility:** Incident ID: nAPP2318030017 & nAPP2322029113

**County:** Eddy County, New Mexico

**Description:**  
View West of CS-52 and CS-56.



### Photograph No. 6

**Facility:** Incident ID: nAPP2318030017 & nAPP2322029113

**County:** Eddy County, New Mexico

**Description:**  
View of the backfill and reseeded excavation.



# PHOTOGRAPHIC LOG

## Durango Midstream

### Photograph No. 7

**Facility:** Incident ID: nAPP2318030017 & nAPP2322029113

**County:** Eddy County, New Mexico

**Description:**

View of the backfill and reseeded excavation.



### Photograph No. 8

**Facility:** Incident ID: nAPP2318030017 & nAPP2322029113

**County:** Eddy County, New Mexico

**Description:**

View of the backfill and reseeded excavation.



### Photograph No. 9

**Facility:** Incident ID: nAPP2318030017 & nAPP2322029113

**County:** Eddy County, New Mexico

**Description:**

View of the backfill and reseeded excavation.



# 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	nAPP2318030017
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	Frontier Field Services	OGRID	221115
Contact Name	Lupe Carrasco	Contact Telephone	575-725-0787
Contact email	gcarrasco@durangomidstream.com	Incident # (assigned by OCD)	nAPP2318030017
Contact mailing address	47 Conoco Rd. Maljamar, NM 88264		

### Location of Release Source

Latitude 32.749939 Longitude -104.293164  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name	8" poly Apache's R4 Satellite/Redwood's Pecos Valley E Meter	Site Type	Pipeline
Date Release Discovered	6/28/23	API# (if applicable)	

Unit Letter	Section	Township	Range	County
H	17	18S	27E	Eddy

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

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 21	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls) 0
<input type="checkbox"/> Natural Gas	Volume Released (Mcf) 1127.28	Volume Recovered (Mcf) 0
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

8" SDR 17 line leak due to line deterioration

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2318030017
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? > 500 mcf
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice given by email to NMOCD Artesia and BLM per spill release email.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:  	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Lupe Carrasco</u>	Title: <u>Sr. Environmental Specialist</u>
Signature: <u><i>Lupe Carrasco</i></u>	Date: <u>6/29/23</u>
email: <u>gcarrasco@durangomidstream.com</u>	Telephone: <u>575-725-0787</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	

Gas Release Volume Calculator		
Date:	6/28/2023	
Site or Line Name:	8" SDR 17 poly line from the Apache's R4 and Redwood's Pecos valley E.	
Area of Hole in Pipe:	8	square inches
Absolute Pressure:	70	psia - absolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	90.00	minutes
Actual Temperature:	107	Degrees F
Representative Gas Analysis	Please attach or email a representative gas analysis	

Constants		
Temperature at standard conditions:	60	Deg. F
Pressure at standard conditions:	14.7	PSIA
Volume of Gas - Actual Conditions	1,127.28	MACF
Volume of Gas - Standard Conditions	4,922.77	MSCF

Notes
Entered by user
Calculated Value
Constant

**Note:**



Liquid Volume Release Report

Liquid Release Volume Calculator							
Date:	6/28/2023						
Site or Line Name:	8" SDR poly line from Apache's R4 and Redwood's Pecos valley E.						
Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15				0	0.00	Clay
Sandy Clay	0.12				0	0.00	Sandy Clay
Silt	0.16				0	0.00	Silt
Fine Sand	0.16				0	0.00	Fine Sand
Medium Sand	0.25				0	0.00	Medium Sand
Coarse Sand	0.26				0	0.00	Coarse Sand
Gravelly Sand	0.26				0	0.00	Gravelly Sand
Fine Gravel	0.26				0	0.00	Fine Gravel
Medium Gravel	0.20	200	4	0.75	600	21.39	Medium Gravel
Coarse Gravel	0.18				0	0.00	Coarse Gravel
Sandstone	0.25				0	0.00	Sandstone
Siltstone	0.18				0	0.00	Siltstone
Limestone	0.13				0	0.00	Limestone
Basalt	0.19				0	0.00	Basalt
Standing Liquids	X	0	0	0	0	0.00	Standing Liquids

Choose the one prevailing ground type for estimating spill volumes at a single location. Standing liquids are figured separately using the green cell.

Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

Cubic Feet = L x W x D  
 Estimated Barrels = ((Cubic Feet x Porosity) / 5.61)

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	nAPP2322029113
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	Frontier Field Services	OGRID	221115
Contact Name	Lupe Carrasco	Contact Telephone	575-725-0787
Contact email	gcarrasco@durangomidstream.com	Incident # (assigned by OCD)	nAPP2322029113
Contact mailing address	47 Conoco Rd. Maljamar, NM 88264		

### Location of Release Source

Latitude 32.7501070 Longitude -104.2931440  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name	ABO-Redwood Pecks-8-P08082023	Site Type	Pipeline
Date Release Discovered	08/07/2023	API# (if applicable)	

Unit Letter	Section	Township	Range	County
H	17	18S	27E	Eddy

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 type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 15	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 24,853	Volume Recovered (Mcf) 0
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release High pressure threshold and extremely hot temperatures causing SDR17 poly line to rupture.

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2322029113
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  >500 mcf
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?  NMOCD Portal	

### 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>Lupe Carrasco</u>	Title: <u>Sr. Environmental Specialist</u>
Signature: <u><i>Lupe Carrasco</i></u>	Date: <u>08/08/2023</u>
email: <u>gcarrasco@durangomidstream.com</u>	Telephone: <u>575-725-0787</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	



Liquid Volume Release Report

Liquid Release Volume Calculator							
Date:	8/7/2023						
Site or Line Name:	ABO-Pecks Valley E - 8" Poly Line						
Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15				0	0.00	Clay
Sandy Clay	0.12				0	0.00	Sandy Clay
Silt	0.16				0	0.00	Silt
Fine Sand	0.16				0	0.00	Fine Sand
Medium Sand	0.25				0	0.00	Medium Sand
Coarse Sand	0.26	100	39	0.083	323.7	15.00	Coarse Sand
Gravelly Sand	0.26				0	0.00	Gravelly Sand
Fine Gravel	0.26				0	0.00	Fine Gravel
Medium Gravel	0.20				0	0.00	Medium Gravel
Coarse Gravel	0.18				0	0.00	Coarse Gravel
Sandstone	0.25				0	0.00	Sandstone
Siltstone	0.18				0	0.00	Siltstone
Limestone	0.13				0	0.00	Limestone
Basalt	0.19				0	0.00	Basalt
Standing Liquids	X	0	0	0	0	0.00	Standing Liquids

Choose the one prevailing ground type for estimating spill volumes at a single location. Standing liquids are figured separately using the green cell.

Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

Cubic Feet = L x W x D  
 Estimated Barrels = ((Cubic Feet x Porosity) / 5.61)

Gas Release Volume Calculator		
Date:	8/7/2023	
Site or Line Name:	ABO-Pecks Valley E - 8" Poly Line	
Area of Hole in Pipe:	12	square inches
Absolute Pressure:	91.7	psia - absolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	180.00	minutes
Actual Temperature:	118.2	Degrees F
Representative Gas Analysis	Please attach or email a representative gas analysis	

Constants		
Temperature at standard conditions:	60	Deg. F
Pressure at standard conditions:	14.7	PSIA
Volume of Gas - Actual Conditions	4,430.21	MACF
Volume of Gas - Standard Conditions	24,852.72	MSCF

Notes
Entered by user
Calculated Value
Constant

**Note:**

Incident ID	
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

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

Signature: Lupe Carrasco Date: 11/16/23

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

**OCD Only**

Received by: Shelly Wells Date: 11/16/2023

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

\* Original gas volumes should be amended to 10.34 MCF (nAPP2322029113) and 8.05 MCF (nAPP2318030017).

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: Lupe Carrasco Date: \_\_\_\_\_

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

**OCD Only**

Received by: Shelly Wells Date: 11/16/2023

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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

**Conner Moehring**

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**From:** Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>  
**Sent:** Friday, September 15, 2023 11:53 AM  
**To:** Clint Merritt  
**Cc:** Mike Carmona; Conner Moehring; Devin Dominguez; Guadalupe Carrasco; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD  
**Subject:** RE: [EXTERNAL] Sampling Notification 8" POLY APACHE'S R4 SATELLITE/REDWOOD'S PECOS VALL (06.28.2023) Incident #: nAPP2318030017

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,  
Scott

**Scott Rodgers** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113  
505.469.1830 | [scott.rodgers@emnrd.nm.gov](mailto:scott.rodgers@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



---

**From:** Clint Merritt <MerrittC@carmonaresources.com>  
**Sent:** Friday, September 15, 2023 10:11 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Mike Carmona <Mcarmona@carmonaresources.com>; Conner Moehring <Cmoehring@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Guadalupe Carrasco <gcarrasco@durangomidstream.com>  
**Subject:** [EXTERNAL] Sampling Notification 8" POLY APACHE'S R4 SATELLITE/REDWOOD'S PECOS VALL (06.28.2023) Incident #: nAPP2318030017

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

Good Morning,

On behalf of Durango Midstream, Carmona Resources will be collecting confirmation samples at the below-referenced site on Wednesday, 9/20/2023 at 8:00 AM Mountain Time. Please let me know if you have any questions.

**Durango Midstream - 8" POLY APACHE'S R4 SATELLITE/REDWOOD'S PECOS VALL (06.28.2023)**  
**Incident #: nAPP2318030017**

Clinton Merritt  
310 West Wall Street, Suite 500  
Midland TX, 79701  
M: 432-813-9044  
[MerrittC@carmonaresources.com](mailto:MerrittC@carmonaresources.com)

CARMONA RESOURCES



## APPENDIX D

CARMONA RESOURCES



**Legend**

- 0.50 Mile Radius
- 2.01 Miles
- 2.10 Miles
- 2.10 Miles
- 8" POLY APACHE'S R4 SATELLITE/REDWOOD'S PECOS VALL (06.28.2023)
- NMSEO Water Well
- USGS Water Well



8" POLY APACHE'S R4 SATELLITE/REDWOOD'S PECOS VALL (06.28.2023)

31.73' - Drilled 1999

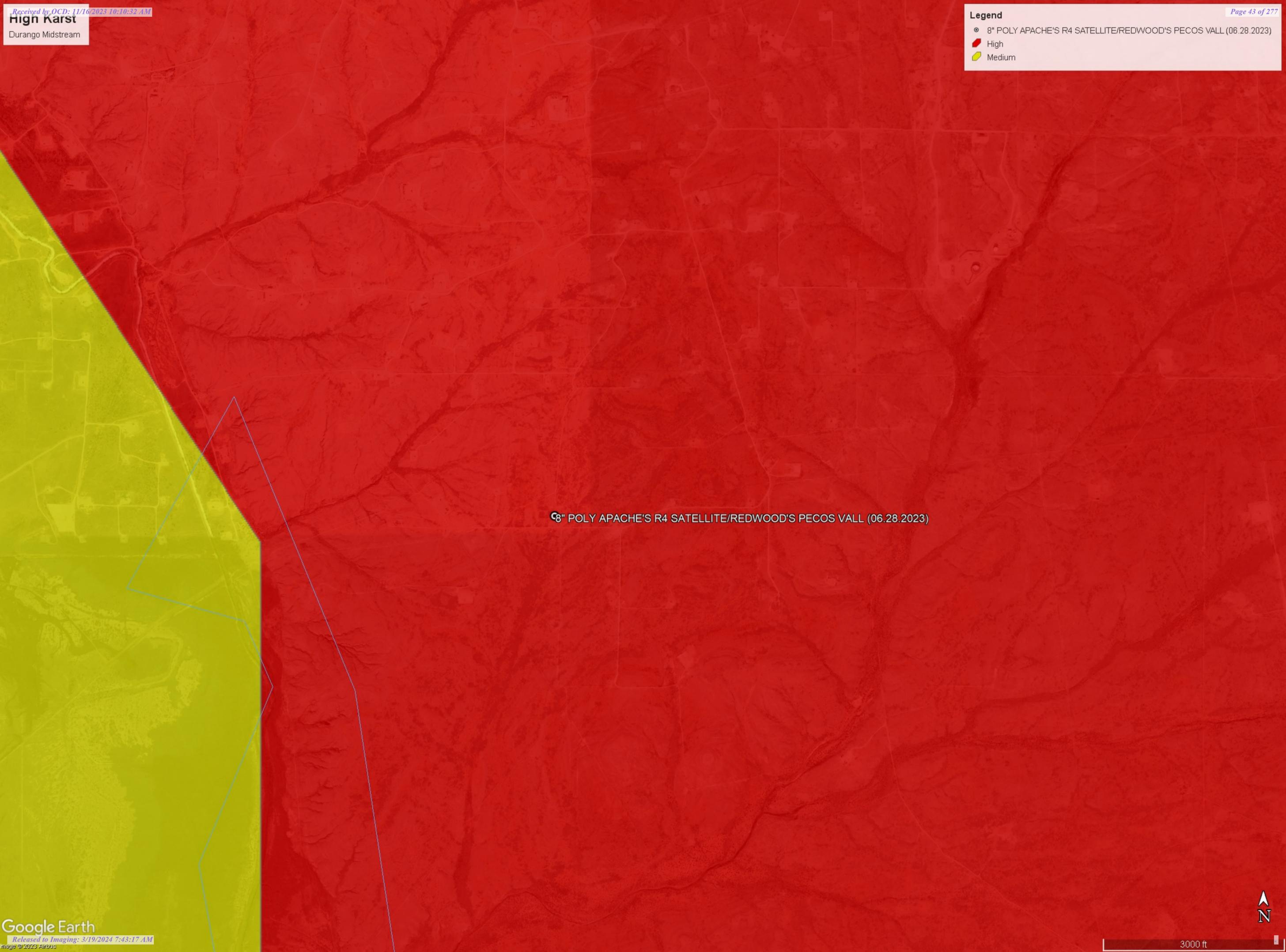
50' - Drilled 1958

100' - Drilled 1960



**Legend**

- 8" POLY APACHE'S R4 SATELLITE/REDWOOD'S PECOS VALL (06.28.2023)
- High
- Medium



8" POLY APACHE'S R4 SATELLITE/REDWOOD'S PECOS VALL (06.28.2023)



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

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">RA 03714</a>	RA	CH		4	4	2	08	18S	27E	566212	3625253*	1467	381		
<a href="#">RA 04298</a>	RA	ED		1	2	19	18S	27E	564082	3622523*	2479	92			
<a href="#">RA 04211</a>	RA	CH		3	1	28	18S	27E	566512	3620562*	3237	120	100	20	
<a href="#">RA 03917</a>	RA	LE		4	1	2	10	18S	27E	569019	3625660*	3371	130	50	80
<a href="#">RA 12280 POD3</a>	RA	ED		4	4	2	30	18S	27E	564647	3620494	3646	29	17	12
<a href="#">RA 06091</a>	RA	ED		1	2	3	29	18S	27E	565211	3620222*	3702	90	17	73
<a href="#">RA 12280 POD1</a>	RA	ED		1	4	2	30	18S	27E	564352	3620584	3704	25	13	12
<a href="#">RA 12280 POD2</a>	RA	ED		3	4	2	30	18S	27E	564502	3620428	3769	25	18	7
<a href="#">RA 03409</a>	RA	ED		1	4	2	24	18S	26E	562763	3622210*	3795	175	18	157

Average Depth to Water: **33 feet**  
 Minimum Depth: **13 feet**  
 Maximum Depth: **100 feet**

Record Count: 9

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

**Easting (X):** 566216

**Northing (Y):** 3623786

**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.



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)						(NAD83 UTM in meters)	
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
RA 04211		3	1	28	18S	27E	566512	3620562*	

<b>Driller License:</b> 318	<b>Driller Company:</b> WESTERN PUMP & SUPPLY	
<b>Driller Name:</b>		
<b>Drill Start Date:</b> 05/23/1960	<b>Drill Finish Date:</b> 05/24/1960	<b>Plug Date:</b>
<b>Log File Date:</b> 05/24/1960	<b>PCW Rev Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b> 7.00	<b>Depth Well:</b> 120 feet	<b>Depth Water:</b> 100 feet

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	110	120	Limestone/Dolomite/Chalk

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>	
	102	120	

\*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.

6/30/23 9:05 AM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 03917	4	1	2	10	18S	27E	569019	3625660*

**Driller License:** 111                      **Driller Company:** BURKE, EDWARD B.  
**Driller Name:**  
**Drill Start Date:** 07/31/1958              **Drill Finish Date:** 07/31/1958              **Plug Date:**  
**Log File Date:** 08/06/1958              **PCW Rev Date:**                                      **Source:** Artesian  
**Pump Type:**                                      **Pipe Discharge Size:**                                      **Estimated Yield:**  
**Casing Size:**                                      **Depth Well:** 130 feet                                      **Depth Water:** 50 feet

\*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.

6/30/23 9:10 AM

POINT OF DIVERSION SUMMARY

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	
						Groundwater	New Mexico	GO

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Groundwater levels for New Mexico

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### Search Results -- 1 sites found

Agency code = usgs  
 site\_no list = 

- 324603104155001

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

### USGS 324603104155001 18S.27E.10.213223

Eddy County, New Mexico  
 Latitude 32°46'03", Longitude 104°15'50" NAD27  
 Land-surface elevation 3,479 feet above NAVD88  
 The depth of the well is 130 feet below land surface.  
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
 This well is completed in the Artesia Group (313ARTS) local aquifer.

#### Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1961-12-28			D 62610		3430.16	NGVD29	1	Z		
1961-12-28			D 62611		3431.72	NAVD88	1	Z		
1961-12-28			D 72019	47.28			1	Z		
1962-01-04			D 62610		3430.13	NGVD29	1	Z		
1962-01-04			D 62611		3431.69	NAVD88	1	Z		
1962-01-04			D 72019	47.31			1	Z		
1963-01-07			D 62610		3428.69	NGVD29	1	Z		
1963-01-07			D 62611		3430.25	NAVD88	1	Z		
1963-01-07			D 72019	48.75			1	Z		
1963-07-23			D 62610		3429.23	NGVD29	1	Z		
1963-07-23			D 62611		3430.79	NAVD88	1	Z		
1963-07-23			D 72019	48.21			1	Z		
1963-08-30			D 62610		3429.16	NGVD29	1	Z		
1963-08-30			D 62611		3430.72	NAVD88	1	Z		

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?	
		Water-level date-time accuracy	Parameter code				Status	
1963-08-30		D	72019	48.28				
1963-09-04		D	62610		3431.85	NGVD29		
1963-09-04		D	62611		3433.41	NAVD88		
1963-09-04		D	72019	45.59				
1963-10-01		D	62610		3431.71	NGVD29		
1963-10-01		D	62611		3433.27	NAVD88		
1963-10-01		D	72019	45.73				
1963-11-22		D	62610		3431.28	NGVD29		
1963-11-22		D	62611		3432.84	NAVD88		
1963-11-22		D	72019	46.16				
1964-01-09		D	62610		3430.52	NGVD29		
1964-01-09		D	62611		3432.08	NAVD88		
1964-01-09		D	72019	46.92				
1966-01-24		D	62610		3436.15	NGVD29		
1966-01-24		D	62611		3437.71	NAVD88		
1966-01-24		D	72019	41.29				
1984-02-09		D	62610		3455.28	NGVD29		
1984-02-09		D	62611		3456.84	NAVD88		
1984-02-09		D	72019	22.16				
1984-03-01		D	62610		3456.08	NGVD29		
1984-03-01		D	62611		3457.64	NAVD88		
1984-03-01		D	72019	21.36				
1989-02-02		D	62610		3458.03	NGVD29		
1989-02-02		D	62611		3459.59	NAVD88		
1989-02-02		D	72019	19.41				
1994-02-24		D	62610		3444.77	NGVD29	S	
1994-02-24		D	62611		3446.33	NAVD88	S	
1994-02-24		D	72019	32.67			S	
1999-01-19		D	62610		3445.71	NGVD29	S	USGS
1999-01-19		D	62611		3447.27	NAVD88	S	USGS
1999-01-19		D	72019	31.73			S	USGS

Explanation

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

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?
		Water-level date-time accuracy	Parameter code				Status

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

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

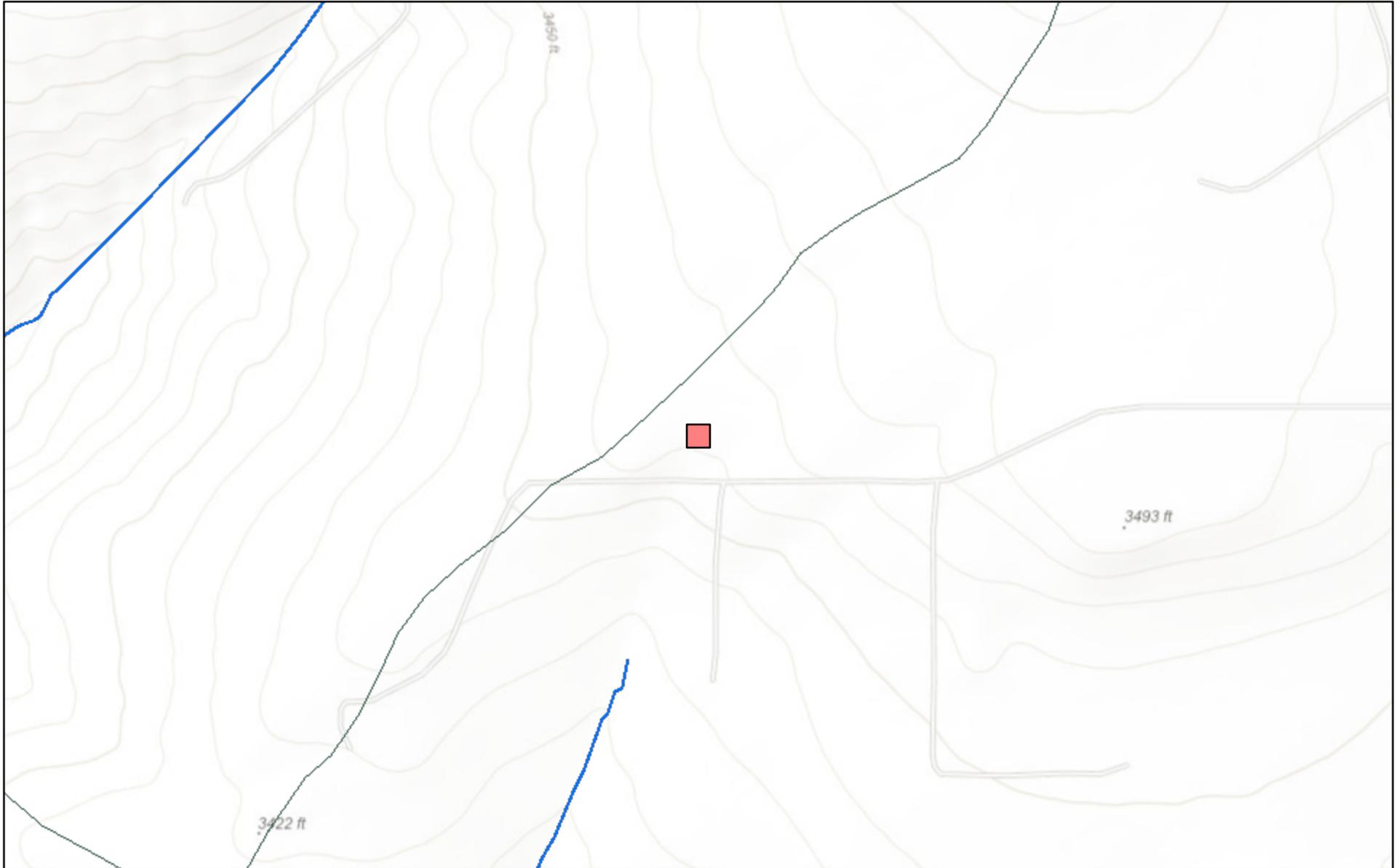


Page Contact Information: [New Mexico Water Data Maintainer](#)

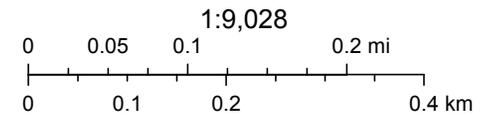
Page Last Modified: 2023-07-03 08:47:25 EDT

0.29 0.24 nadww02

# New Mexico NFHL Data



June 30, 2023



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

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Mike Carmona  
 Carmona Resources  
 310 W Wall St  
 Ste 500  
 Midland, Texas 79701

Generated 7/31/2023 3:23:10 PM

## JOB DESCRIPTION

Apache-Redwood  
 SDG NUMBER Eddy County New Mexico

## JOB NUMBER

880-30945-1

Eurofins Midland  
 1211 W. Florida Ave  
 Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

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Client: Carmona Resources  
Project/Site: Apache-Redwood

Laboratory Job ID: 880-30945-1  
SDG: Eddy County New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Apache-Redwood

Job ID: 880-30945-1  
SDG: Eddy County New Mexico

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
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.
α	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)
TNTC	Too Numerous To Count

### Case Narrative

Client: Carmona Resources  
Project/Site: Apache-Redwood

Job ID: 880-30945-1  
SDG: Eddy County New Mexico

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**Job ID: 880-30945-1**

---

**Laboratory: Eurofins Midland****Narrative**

---

**Job Narrative  
880-30945-1****Receipt**

The samples were received on 7/19/2023 10:47 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 1.5°C

**GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-58416/33). Evidence of matrix interferences is not obvious.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-58416 recovered above the upper control limit for Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-58416/33).

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: Surrogate recovery for the following samples were outside control limits: H-2 (0-0.5') (880-30945-2), H-3 (0-0.5') (880-30945-3), H-4 (0-0.5') (880-30945-4), H-5 (0-0.5') (880-30945-5), H-6 (0-0.5') (880-30945-6), H-7 (0-0.5') (880-30945-7), H-8 (0-0.5') (880-30945-8), H-9 (0-0.5') (880-30945-9), H-10 (0-0.5') (880-30945-10), H-11 (0-0.5') (880-30945-11), H-12 (0-0.5') (880-30945-12), H-13 (0-0.5') (880-30945-13), H-14 (0-0.5') (880-30945-14), H-15 (0-0.5') (880-30945-15), (MB 880-58523/1-A), (880-30945-A-1-I MS) and (880-30945-A-1-J MSD). Evidence of matrix interferences is not obvious.

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

**HPLC/IC**

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: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-30945-1**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 00:18	1
<b>Toluene</b>	<b>0.00407</b>		0.00200		mg/Kg		07/25/23 13:51	07/26/23 00:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 00:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/25/23 13:51	07/26/23 00:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 00:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/25/23 13:51	07/26/23 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/25/23 13:51	07/26/23 00:18	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/25/23 13:51	07/26/23 00:18	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total BTEX</b>	<b>0.00407</b>		0.00401		mg/Kg			07/26/23 09:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			07/31/23 16:05	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		07/26/23 09:28	07/28/23 20:48	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		07/26/23 09:28	07/28/23 20:48	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		07/26/23 09:28	07/28/23 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	07/26/23 09:28	07/28/23 20:48	1
o-Terphenyl	117		70 - 130	07/26/23 09:28	07/28/23 20:48	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>168</b>		25.0		mg/Kg			07/22/23 04:27	5

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

**Lab Sample ID: 880-30945-2**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 00:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 00:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 00:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/25/23 13:51	07/26/23 00:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 00:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/25/23 13:51	07/26/23 00:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/25/23 13:51	07/26/23 00:39	1
1,4-Difluorobenzene (Surr)	108		70 - 130	07/25/23 13:51	07/26/23 00:39	1

Eurofins Midland

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-30945-2**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: TAL SOP 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			07/26/23 09:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			07/31/23 16:05	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		07/26/23 09:28	07/28/23 21:53	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		07/26/23 09:28	07/28/23 21:53	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		07/26/23 09:28	07/28/23 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	07/26/23 09:28	07/28/23 21:53	1
o-Terphenyl	132	S1+	70 - 130	07/26/23 09:28	07/28/23 21:53	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	195		5.00		mg/Kg			07/24/23 11:51	1

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

**Lab Sample ID: 880-30945-3**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/25/23 13:51	07/26/23 01:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/25/23 13:51	07/26/23 01:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/25/23 13:51	07/26/23 01:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/25/23 13:51	07/26/23 01:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/25/23 13:51	07/26/23 01:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/25/23 13:51	07/26/23 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/25/23 13:51	07/26/23 01:00	1
1,4-Difluorobenzene (Surr)	109		70 - 130	07/25/23 13:51	07/26/23 01:00	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/26/23 09:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			07/31/23 16:05	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		07/26/23 09:28	07/28/23 22:14	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		07/26/23 09:28	07/28/23 22:14	1

Eurofins Midland

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-30945-3**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 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)	<50.3	U	50.3		mg/Kg		07/26/23 09:28	07/28/23 22:14	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	117		70 - 130				07/26/23 09:28	07/28/23 22:14	1
o-Terphenyl	136	S1+	70 - 130				07/26/23 09:28	07/28/23 22:14	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		4.96		mg/Kg			07/24/23 11:56	1

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

**Lab Sample ID: 880-30945-4**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/25/23 13:51	07/26/23 01:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/25/23 13:51	07/26/23 01:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/25/23 13:51	07/26/23 01:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/25/23 13:51	07/26/23 01:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/25/23 13:51	07/26/23 01:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/25/23 13:51	07/26/23 01:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	114		70 - 130				07/25/23 13:51	07/26/23 01:20	1
1,4-Difluorobenzene (Surr)	108		70 - 130				07/25/23 13:51	07/26/23 01:20	1

**Method: TAL SOP 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			07/26/23 09:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/31/23 16:05	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/26/23 09:28	07/28/23 22:36	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		07/26/23 09:28	07/28/23 22:36	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/26/23 09:28	07/28/23 22:36	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	133	S1+	70 - 130				07/26/23 09:28	07/28/23 22:36	1
o-Terphenyl	156	S1+	70 - 130				07/26/23 09:28	07/28/23 22:36	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.9		5.01		mg/Kg			07/22/23 04:52	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-30945-5**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/25/23 13:51	07/26/23 01:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/25/23 13:51	07/26/23 01:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/25/23 13:51	07/26/23 01:41	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/25/23 13:51	07/26/23 01:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/25/23 13:51	07/26/23 01:41	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/25/23 13:51	07/26/23 01:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/25/23 13:51	07/26/23 01:41	1
1,4-Difluorobenzene (Surr)	108		70 - 130	07/25/23 13:51	07/26/23 01:41	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/26/23 09:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/31/23 16:05	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/26/23 09:28	07/28/23 22:57	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/26/23 09:28	07/28/23 22:57	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/26/23 09:28	07/28/23 22:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	07/26/23 09:28	07/28/23 22:57	1
o-Terphenyl	143	S1+	70 - 130	07/26/23 09:28	07/28/23 22:57	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	591		49.9		mg/Kg			07/22/23 04:57	10

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

**Lab Sample ID: 880-30945-6**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/25/23 13:51	07/26/23 02:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/25/23 13:51	07/26/23 02:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/25/23 13:51	07/26/23 02:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/25/23 13:51	07/26/23 02:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/25/23 13:51	07/26/23 02:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/25/23 13:51	07/26/23 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/25/23 13:51	07/26/23 02:02	1
1,4-Difluorobenzene (Surr)	106		70 - 130	07/25/23 13:51	07/26/23 02:02	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-30945-6

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: TAL SOP 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			07/26/23 09:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	133		49.6		mg/Kg			07/31/23 16:05	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/26/23 09:28	07/28/23 23:18	1
Diesel Range Organics (Over C10-C28)	133		49.6		mg/Kg		07/26/23 09:28	07/28/23 23:18	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/26/23 09:28	07/28/23 23:18	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	118		70 - 130				07/26/23 09:28	07/28/23 23:18	1
o-Terphenyl	142	S1+	70 - 130				07/26/23 09:28	07/28/23 23:18	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.1		4.95		mg/Kg			07/24/23 12:01	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-30945-7

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 02:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 02:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 02:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/25/23 13:51	07/26/23 02:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 02:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/25/23 13:51	07/26/23 02:23	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	113		70 - 130				07/25/23 13:51	07/26/23 02:23	1
1,4-Difluorobenzene (Surr)	106		70 - 130				07/25/23 13:51	07/26/23 02:23	1

**Method: TAL SOP 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			07/26/23 09:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.7		50.3		mg/Kg			07/31/23 16:05	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		07/26/23 09:28	07/28/23 23:40	1
Diesel Range Organics (Over C10-C28)	63.7		50.3		mg/Kg		07/26/23 09:28	07/28/23 23:40	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-30945-7**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 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)	<50.3	U	50.3		mg/Kg		07/26/23 09:28	07/28/23 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	230	S1+	70 - 130				07/26/23 09:28	07/28/23 23:40	1
o-Terphenyl	285	S1+	70 - 130				07/26/23 09:28	07/28/23 23:40	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	233		24.9		mg/Kg			07/22/23 05:18	5

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

**Lab Sample ID: 880-30945-8**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/25/23 13:51	07/26/23 02:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/25/23 13:51	07/26/23 02:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/25/23 13:51	07/26/23 02:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/25/23 13:51	07/26/23 02:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/25/23 13:51	07/26/23 02:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/25/23 13:51	07/26/23 02:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				07/25/23 13:51	07/26/23 02:43	1
1,4-Difluorobenzene (Surr)	104		70 - 130				07/25/23 13:51	07/26/23 02:43	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/26/23 09:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/31/23 16:05	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/26/23 09:28	07/29/23 00:01	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		07/26/23 09:28	07/29/23 00:01	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/26/23 09:28	07/29/23 00:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				07/26/23 09:28	07/29/23 00:01	1
o-Terphenyl	131	S1+	70 - 130				07/26/23 09:28	07/29/23 00:01	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.6		5.00		mg/Kg			07/24/23 12:06	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-30945-9**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/25/23 13:51	07/26/23 03:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/25/23 13:51	07/26/23 03:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/25/23 13:51	07/26/23 03:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/25/23 13:51	07/26/23 03:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/25/23 13:51	07/26/23 03:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/25/23 13:51	07/26/23 03:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	07/25/23 13:51	07/26/23 03:04	1
1,4-Difluorobenzene (Surr)	109		70 - 130	07/25/23 13:51	07/26/23 03:04	1

**Method: TAL SOP 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			07/26/23 09:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.3		49.6		mg/Kg			07/31/23 16:05	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/26/23 09:28	07/29/23 00:22	1
Diesel Range Organics (Over C10-C28)	53.3		49.6		mg/Kg		07/26/23 09:28	07/29/23 00:22	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/26/23 09:28	07/29/23 00:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	07/26/23 09:28	07/29/23 00:22	1
o-Terphenyl	142	S1+	70 - 130	07/26/23 09:28	07/29/23 00:22	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.0		4.96		mg/Kg			07/24/23 12:11	1

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

**Lab Sample ID: 880-30945-10**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 03:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 03:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 03:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/25/23 13:51	07/26/23 03:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 03:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/25/23 13:51	07/26/23 03:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/25/23 13:51	07/26/23 03:25	1
1,4-Difluorobenzene (Surr)	105		70 - 130	07/25/23 13:51	07/26/23 03:25	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

Client Sample ID: H-10 (0-0.5')

Lab Sample ID: 880-30945-10

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: TAL SOP 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			07/26/23 09:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	70.6		49.9		mg/Kg			07/31/23 16:05	1

**Method: SW846 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		07/26/23 09:28	07/29/23 00:43	1
Diesel Range Organics (Over C10-C28)	70.6		49.9		mg/Kg		07/26/23 09:28	07/29/23 00:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/23 09:28	07/29/23 00:43	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	112		70 - 130				07/26/23 09:28	07/29/23 00:43	1
o-Terphenyl	138	S1+	70 - 130				07/26/23 09:28	07/29/23 00:43	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.0		5.04		mg/Kg			07/22/23 05:33	1

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-30945-11

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 04:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 04:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 04:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/25/23 13:51	07/26/23 04:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 04:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/25/23 13:51	07/26/23 04:50	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	109		70 - 130				07/25/23 13:51	07/26/23 04:50	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/25/23 13:51	07/26/23 04:50	1

**Method: TAL SOP 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			07/26/23 09:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.4		50.0		mg/Kg			07/31/23 16:05	1

**Method: SW846 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		07/26/23 09:28	07/29/23 01:26	1
Diesel Range Organics (Over C10-C28)	51.4		50.0		mg/Kg		07/26/23 09:28	07/29/23 01:26	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-30945-11**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 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		07/26/23 09:28	07/29/23 01:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				07/26/23 09:28	07/29/23 01:26	1
o-Terphenyl	159	S1+	70 - 130				07/26/23 09:28	07/29/23 01:26	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.1		4.99		mg/Kg			07/22/23 05:38	1

**Client Sample ID: H-12 (0-0.5')**

**Lab Sample ID: 880-30945-12**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 05:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 05:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 05:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/25/23 13:51	07/26/23 05:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/26/23 05:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/25/23 13:51	07/26/23 05:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				07/25/23 13:51	07/26/23 05:11	1
1,4-Difluorobenzene (Surr)	108		70 - 130				07/25/23 13:51	07/26/23 05:11	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/26/23 09:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	883		50.2		mg/Kg			07/31/23 16:05	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		07/26/23 09:28	07/29/23 02:50	1
Diesel Range Organics (Over C10-C28)	801		50.2		mg/Kg		07/26/23 09:28	07/29/23 02:50	1
Oil Range Organics (Over C28-C36)	82.2		50.2		mg/Kg		07/26/23 09:28	07/29/23 02:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				07/26/23 09:28	07/29/23 02:50	1
o-Terphenyl	151	S1+	70 - 130				07/26/23 09:28	07/29/23 02:50	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	246		4.95		mg/Kg			07/24/23 12:16	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

**Client Sample ID: H-13 (0-0.5')**

**Lab Sample ID: 880-30945-13**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/25/23 13:51	07/26/23 05:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/25/23 13:51	07/26/23 05:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/25/23 13:51	07/26/23 05:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/25/23 13:51	07/26/23 05:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/25/23 13:51	07/26/23 05:32	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/25/23 13:51	07/26/23 05:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/25/23 13:51	07/26/23 05:32	1
1,4-Difluorobenzene (Surr)	108		70 - 130	07/25/23 13:51	07/26/23 05:32	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/26/23 09:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	95.8		50.4		mg/Kg			07/31/23 16:05	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/26/23 09:28	07/29/23 01:47	1
Diesel Range Organics (Over C10-C28)	95.8		50.4		mg/Kg		07/26/23 09:28	07/29/23 01:47	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/26/23 09:28	07/29/23 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	07/26/23 09:28	07/29/23 01:47	1
o-Terphenyl	146	S1+	70 - 130	07/26/23 09:28	07/29/23 01:47	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.1		5.01		mg/Kg			07/24/23 12:22	1

**Client Sample ID: H-14 (0-0.5')**

**Lab Sample ID: 880-30945-14**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/25/23 13:51	07/26/23 05:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/25/23 13:51	07/26/23 05:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/25/23 13:51	07/26/23 05:52	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/25/23 13:51	07/26/23 05:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/25/23 13:51	07/26/23 05:52	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/25/23 13:51	07/26/23 05:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/25/23 13:51	07/26/23 05:52	1
1,4-Difluorobenzene (Surr)	107		70 - 130	07/25/23 13:51	07/26/23 05:52	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

**Client Sample ID: H-14 (0-0.5')**

**Lab Sample ID: 880-30945-14**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/26/23 09:30	1

**Method: SW846 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			07/31/23 16:05	1

**Method: SW846 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		07/26/23 09:28	07/29/23 02:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/26/23 09:28	07/29/23 02:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/23 09:28	07/29/23 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				07/26/23 09:28	07/29/23 02:08	1
o-Terphenyl	147	S1+	70 - 130				07/26/23 09:28	07/29/23 02:08	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.8		4.97		mg/Kg			07/24/23 12:27	1

**Client Sample ID: H-15 (0-0.5')**

**Lab Sample ID: 880-30945-15**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/25/23 13:51	07/26/23 06:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/25/23 13:51	07/26/23 06:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/25/23 13:51	07/26/23 06:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/25/23 13:51	07/26/23 06:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/25/23 13:51	07/26/23 06:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/25/23 13:51	07/26/23 06:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				07/25/23 13:51	07/26/23 06:13	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/25/23 13:51	07/26/23 06:13	1

**Method: TAL SOP 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			07/26/23 09:30	1

**Method: SW846 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			07/31/23 16:05	1

**Method: SW846 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		07/26/23 09:28	07/29/23 02:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/26/23 09:28	07/29/23 02:29	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

**Client Sample ID: H-15 (0-0.5')**

**Lab Sample ID: 880-30945-15**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

**Method: SW846 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		07/26/23 09:28	07/29/23 02:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				07/26/23 09:28	07/29/23 02:29	1
o-Terphenyl	145	S1+	70 - 130				07/26/23 09:28	07/29/23 02:29	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.0		4.95		mg/Kg			07/24/23 12:32	1

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

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Apache-Redwood

Job ID: 880-30945-1  
SDG: Eddy County New Mexico

## 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)
880-30945-1	H-1 (0-0.5')	107	94
880-30945-1 MS	H-1 (0-0.5')	108	98
880-30945-1 MSD	H-1 (0-0.5')	116	103
880-30945-2	H-2 (0-0.5')	113	108
880-30945-3	H-3 (0-0.5')	117	109
880-30945-4	H-4 (0-0.5')	114	108
880-30945-5	H-5 (0-0.5')	114	108
880-30945-6	H-6 (0-0.5')	108	106
880-30945-7	H-7 (0-0.5')	113	106
880-30945-8	H-8 (0-0.5')	121	104
880-30945-9	H-9 (0-0.5')	119	109
880-30945-10	H-10 (0-0.5')	114	105
880-30945-11	H-11 (0-0.5')	109	96
880-30945-12	H-12 (0-0.5')	122	108
880-30945-13	H-13 (0-0.5')	117	108
880-30945-14	H-14 (0-0.5')	116	107
880-30945-15	H-15 (0-0.5')	128	100
LCS 880-58483/1-A	Lab Control Sample	110	101
LCSD 880-58483/2-A	Lab Control Sample Dup	112	96
MB 880-58465/5-A	Method Blank	93	92
MB 880-58483/5-A	Method Blank	97	91

**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)
880-30945-1	H-1 (0-0.5')	106	117
880-30945-1 MS	H-1 (0-0.5')	116	141 S1+
880-30945-1 MSD	H-1 (0-0.5')	126	145 S1+
880-30945-2	H-2 (0-0.5')	115	132 S1+
880-30945-3	H-3 (0-0.5')	117	136 S1+
880-30945-4	H-4 (0-0.5')	133 S1+	156 S1+
880-30945-5	H-5 (0-0.5')	124	143 S1+
880-30945-6	H-6 (0-0.5')	118	142 S1+
880-30945-7	H-7 (0-0.5')	230 S1+	285 S1+
880-30945-8	H-8 (0-0.5')	116	131 S1+
880-30945-9	H-9 (0-0.5')	120	142 S1+
880-30945-10	H-10 (0-0.5')	112	138 S1+
880-30945-11	H-11 (0-0.5')	136 S1+	159 S1+
880-30945-12	H-12 (0-0.5')	125	151 S1+
880-30945-13	H-13 (0-0.5')	126	146 S1+
880-30945-14	H-14 (0-0.5')	125	147 S1+
880-30945-15	H-15 (0-0.5')	117	145 S1+
LCS 880-58523/2-A	Lab Control Sample	92	126

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### Surrogate Summary

Client: Carmona Resources  
Project/Site: Apache-Redwood

Job ID: 880-30945-1  
SDG: Eddy County New Mexico

**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)
LCS8 880-58523/3-A	Lab Control Sample Dup	96	123
MB 880-58523/1-A	Method Blank	144 S1+	175 S1+

**Surrogate Legend**

1CO = 1-Chlorooctane  
OTPH = o-Terphenyl

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

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-58465/5-A  
 Matrix: Solid  
 Analysis Batch: 58416

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 58465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/23 11:03	07/25/23 13:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/23 11:03	07/25/23 13:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/23 11:03	07/25/23 13:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/25/23 11:03	07/25/23 13:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/23 11:03	07/25/23 13:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/25/23 11:03	07/25/23 13:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/25/23 11:03	07/25/23 13:12	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/25/23 11:03	07/25/23 13:12	1

Lab Sample ID: MB 880-58483/5-A  
 Matrix: Solid  
 Analysis Batch: 58416

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 58483

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/25/23 23:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/25/23 23:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/25/23 23:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/25/23 13:51	07/25/23 23:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/23 13:51	07/25/23 23:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/25/23 13:51	07/25/23 23:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/25/23 13:51	07/25/23 23:56	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/25/23 13:51	07/25/23 23:56	1

Lab Sample ID: LCS 880-58483/1-A  
 Matrix: Solid  
 Analysis Batch: 58416

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 58483

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09822		mg/Kg		98	70 - 130
Toluene	0.100	0.1025		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.09459		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1813		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09249		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-58483/2-A  
 Matrix: Solid  
 Analysis Batch: 58416

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 58483

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09545		mg/Kg		95	70 - 130	3	35

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-58483/2-A  
 Matrix: Solid  
 Analysis Batch: 58416

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 58483

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1040		mg/Kg		104	70 - 130	1	35	
Ethylbenzene	0.100	0.09599		mg/Kg		96	70 - 130	1	35	
m-Xylene & p-Xylene	0.200	0.1857		mg/Kg		93	70 - 130	2	35	
o-Xylene	0.100	0.09453		mg/Kg		95	70 - 130	2	35	
		<b>LCSD</b>	<b>LCSD</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
4-Bromofluorobenzene (Surr)	112		70 - 130							
1,4-Difluorobenzene (Surr)	96		70 - 130							

Lab Sample ID: 880-30945-1 MS  
 Matrix: Solid  
 Analysis Batch: 58416

Client Sample ID: H-1 (0-0.5')  
 Prep Type: Total/NA  
 Prep Batch: 58483

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00200	U	0.0996	0.08686		mg/Kg		86	70 - 130			
Toluene	0.00407		0.0996	0.09151		mg/Kg		88	70 - 130			
Ethylbenzene	<0.00200	U	0.0996	0.07884		mg/Kg		79	70 - 130			
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1490		mg/Kg		73	70 - 130			
o-Xylene	<0.00200	U	0.0996	0.07415		mg/Kg		74	70 - 130			
		<b>MS</b>	<b>MS</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>									
4-Bromofluorobenzene (Surr)	108		70 - 130									
1,4-Difluorobenzene (Surr)	98		70 - 130									

Lab Sample ID: 880-30945-1 MSD  
 Matrix: Solid  
 Analysis Batch: 58416

Client Sample ID: H-1 (0-0.5')  
 Prep Type: Total/NA  
 Prep Batch: 58483

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00200	U	0.0994	0.08405		mg/Kg		84	70 - 130	3	35	
Toluene	0.00407		0.0994	0.09256		mg/Kg		89	70 - 130	1	35	
Ethylbenzene	<0.00200	U	0.0994	0.08203		mg/Kg		83	70 - 130	4	35	
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1573		mg/Kg		78	70 - 130	5	35	
o-Xylene	<0.00200	U	0.0994	0.07863		mg/Kg		78	70 - 130	6	35	
		<b>MSD</b>	<b>MSD</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>									
4-Bromofluorobenzene (Surr)	116		70 - 130									
1,4-Difluorobenzene (Surr)	103		70 - 130									

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

Lab Sample ID: MB 880-58523/1-A  
 Matrix: Solid  
 Analysis Batch: 58682

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 58523

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/26/23 09:28	07/28/23 19:43	1

Eurofins Midland

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: MB 880-58523/1-A**  
**Matrix: Solid**  
**Analysis Batch: 58682**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 58523**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/26/23 09:28	07/28/23 19:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/23 09:28	07/28/23 19:43	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	144	S1+	70 - 130	07/26/23 09:28	07/28/23 19:43	1
o-Terphenyl	175	S1+	70 - 130	07/26/23 09:28	07/28/23 19:43	1

**Lab Sample ID: LCS 880-58523/2-A**  
**Matrix: Solid**  
**Analysis Batch: 58682**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 58523**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	884.3		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	935.8		mg/Kg		94	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	92		70 - 130
o-Terphenyl	126		70 - 130

**Lab Sample ID: LCSD 880-58523/3-A**  
**Matrix: Solid**  
**Analysis Batch: 58682**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 58523**

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	987.9		mg/Kg		99	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	993.1		mg/Kg		99	70 - 130	6	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	96		70 - 130
o-Terphenyl	123		70 - 130

**Lab Sample ID: 880-30945-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 58682**

**Client Sample ID: H-1 (0-0.5')**  
**Prep Type: Total/NA**  
**Prep Batch: 58523**

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	998	848.2		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	998	926.2		mg/Kg		89	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	116		70 - 130
o-Terphenyl	141	S1+	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

Lab Sample ID: 880-30945-1 MSD  
 Matrix: Solid  
 Analysis Batch: 58682

Client Sample ID: H-1 (0-0.5')  
 Prep Type: Total/NA  
 Prep Batch: 58523

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	<50.3	U	998	903.5		mg/Kg		86	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.3	U	998	980.7		mg/Kg		95	70 - 130	6	20
<b>Surrogate</b>	<b>%Recovery</b>	<b>MSD Qualifier</b>	<b>MSD</b>	<b>Limits</b>							
1-Chlorooctane	126			70 - 130							
o-Terphenyl	145	S1+		70 - 130							

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-58053/1-A  
 Matrix: Solid  
 Analysis Batch: 58288

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			07/22/23 04:11	1

Lab Sample ID: LCS 880-58053/2-A  
 Matrix: Solid  
 Analysis Batch: 58288

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.8		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-58053/3-A  
 Matrix: Solid  
 Analysis Batch: 58288

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	237.2		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-30945-1 MS  
 Matrix: Solid  
 Analysis Batch: 58288

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	168		1250	1401		mg/Kg		99	90 - 110

Lab Sample ID: 880-30945-1 MSD  
 Matrix: Solid  
 Analysis Batch: 58288

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	168		1250	1368		mg/Kg		96	90 - 110	2	20

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

**Method: 300.0 - Anions, Ion Chromatography (Continued)**

**Lab Sample ID: 880-30945-11 MS**  
**Matrix: Solid**  
**Analysis Batch: 58288**

**Client Sample ID: H-11 (0-0.5')**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	47.1		250	280.6		mg/Kg		94	90 - 110

**Lab Sample ID: 880-30945-11 MSD**  
**Matrix: Solid**  
**Analysis Batch: 58288**

**Client Sample ID: H-11 (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	47.1		250	279.9		mg/Kg		93	90 - 110	0	20

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

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

#### GC VOA

##### Analysis Batch: 58416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30945-1	H-1 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-2	H-2 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-3	H-3 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-4	H-4 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-5	H-5 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-6	H-6 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-7	H-7 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-8	H-8 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-9	H-9 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-10	H-10 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-11	H-11 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-12	H-12 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-13	H-13 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-14	H-14 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-15	H-15 (0-0.5')	Total/NA	Solid	8021B	58483
MB 880-58465/5-A	Method Blank	Total/NA	Solid	8021B	58465
MB 880-58483/5-A	Method Blank	Total/NA	Solid	8021B	58483
LCS 880-58483/1-A	Lab Control Sample	Total/NA	Solid	8021B	58483
LCSD 880-58483/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58483
880-30945-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	58483
880-30945-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	58483

##### Prep Batch: 58465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-58465/5-A	Method Blank	Total/NA	Solid	5035	

##### Prep Batch: 58483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30945-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-30945-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-30945-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-30945-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-30945-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-30945-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-30945-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-30945-8	H-8 (0-0.5')	Total/NA	Solid	5035	
880-30945-9	H-9 (0-0.5')	Total/NA	Solid	5035	
880-30945-10	H-10 (0-0.5')	Total/NA	Solid	5035	
880-30945-11	H-11 (0-0.5')	Total/NA	Solid	5035	
880-30945-12	H-12 (0-0.5')	Total/NA	Solid	5035	
880-30945-13	H-13 (0-0.5')	Total/NA	Solid	5035	
880-30945-14	H-14 (0-0.5')	Total/NA	Solid	5035	
880-30945-15	H-15 (0-0.5')	Total/NA	Solid	5035	
MB 880-58483/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58483/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58483/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30945-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-30945-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

#### GC VOA

##### Analysis Batch: 58530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30945-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-10	H-10 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-11	H-11 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-12	H-12 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-13	H-13 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-14	H-14 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30945-15	H-15 (0-0.5')	Total/NA	Solid	Total BTEX	

#### GC Semi VOA

##### Prep Batch: 58523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30945-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-10	H-10 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-11	H-11 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-12	H-12 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-13	H-13 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-14	H-14 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-15	H-15 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-58523/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-58523/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-58523/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30945-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30945-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

##### Analysis Batch: 58682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30945-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	58523

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Apache-Redwood

Job ID: 880-30945-1  
SDG: Eddy County New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 58682 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30945-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-10	H-10 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-11	H-11 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-12	H-12 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-13	H-13 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-14	H-14 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-15	H-15 (0-0.5')	Total/NA	Solid	8015B NM	58523
MB 880-58523/1-A	Method Blank	Total/NA	Solid	8015B NM	58523
LCS 880-58523/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	58523
LCSD 880-58523/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	58523
880-30945-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	58523
880-30945-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	58523

## Analysis Batch: 58925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30945-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-10	H-10 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-11	H-11 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-12	H-12 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-13	H-13 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-14	H-14 (0-0.5')	Total/NA	Solid	8015 NM	
880-30945-15	H-15 (0-0.5')	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 58053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30945-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-10	H-10 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-11	H-11 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-12	H-12 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-13	H-13 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-14	H-14 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-15	H-15 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-58053/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

#### HPLC/IC (Continued)

##### Leach Batch: 58053 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-58053/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58053/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30945-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-11 MS	H-11 (0-0.5')	Soluble	Solid	DI Leach	
880-30945-11 MSD	H-11 (0-0.5')	Soluble	Solid	DI Leach	

##### Analysis Batch: 58288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30945-1	H-1 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-2	H-2 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-3	H-3 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-4	H-4 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-5	H-5 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-6	H-6 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-7	H-7 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-8	H-8 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-9	H-9 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-10	H-10 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-11	H-11 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-12	H-12 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-13	H-13 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-14	H-14 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-15	H-15 (0-0.5')	Soluble	Solid	300.0	58053
MB 880-58053/1-A	Method Blank	Soluble	Solid	300.0	58053
LCS 880-58053/2-A	Lab Control Sample	Soluble	Solid	300.0	58053
LCSD 880-58053/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58053
880-30945-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-11 MS	H-11 (0-0.5')	Soluble	Solid	300.0	58053
880-30945-11 MSD	H-11 (0-0.5')	Soluble	Solid	300.0	58053

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-30945-1**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

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	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 00:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/28/23 20:48	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		5			58288	07/22/23 04:27	CH	EET MID

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

**Lab Sample ID: 880-30945-2**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

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	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 00:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/28/23 21:53	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		1			58288	07/24/23 11:51	CH	EET MID

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

**Lab Sample ID: 880-30945-3**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 01:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/28/23 22:14	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		1			58288	07/24/23 11:56	CH	EET MID

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

**Lab Sample ID: 880-30945-4**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

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	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 01:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-30945-4**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

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			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/28/23 22:36	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		1			58288	07/22/23 04:52	CH	EET MID

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

**Lab Sample ID: 880-30945-5**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 01:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/28/23 22:57	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		10			58288	07/22/23 04:57	CH	EET MID

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

**Lab Sample ID: 880-30945-6**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

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	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 02:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/28/23 23:18	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		1			58288	07/24/23 12:01	CH	EET MID

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

**Lab Sample ID: 880-30945-7**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

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	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 02:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/28/23 23:40	AJ	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-30945-7**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		5			58288	07/22/23 05:18	CH	EET MID

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

**Lab Sample ID: 880-30945-8**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 02:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/29/23 00:01	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		1			58288	07/24/23 12:06	CH	EET MID

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

**Lab Sample ID: 880-30945-9**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

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	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 03:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/29/23 00:22	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		1			58288	07/24/23 12:11	CH	EET MID

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

**Lab Sample ID: 880-30945-10**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

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	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 03:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/29/23 00:43	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		1			58288	07/22/23 05:33	CH	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-30945-11**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

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	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 04:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/29/23 01:26	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		1			58288	07/22/23 05:38	CH	EET MID

**Client Sample ID: H-12 (0-0.5')**

**Lab Sample ID: 880-30945-12**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 05:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/29/23 02:50	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		1			58288	07/24/23 12:16	CH	EET MID

**Client Sample ID: H-13 (0-0.5')**

**Lab Sample ID: 880-30945-13**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 05:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/29/23 01:47	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		1			58288	07/24/23 12:22	CH	EET MID

**Client Sample ID: H-14 (0-0.5')**

**Lab Sample ID: 880-30945-14**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 05:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Apache-Redwood

Job ID: 880-30945-1  
 SDG: Eddy County New Mexico

**Client Sample ID: H-14 (0-0.5')**

**Lab Sample ID: 880-30945-14**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

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			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/29/23 02:08	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		1			58288	07/24/23 12:27	CH	EET MID

**Client Sample ID: H-15 (0-0.5')**

**Lab Sample ID: 880-30945-15**

Date Collected: 07/18/23 00:00

Matrix: Solid

Date Received: 07/19/23 10:47

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	58483	07/25/23 13:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58416	07/26/23 06:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58530	07/26/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58925	07/31/23 16:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	58523	07/26/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58682	07/29/23 02:29	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58053	07/19/23 14:08	KS	EET MID
Soluble	Analysis	300.0		1			58288	07/24/23 12:32	CH	EET MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Apache-Redwood

Job ID: 880-30945-1  
SDG: Eddy County New Mexico

#### 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	T104704400-23-26	06-30-24

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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### Method Summary

Client: Carmona Resources  
Project/Site: Apache-Redwood

Job ID: 880-30945-1  
SDG: Eddy County New Mexico

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

**Protocol References:**

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- 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:**

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



### Sample Summary

Client: Carmona Resources  
Project/Site: Apache-Redwood

Job ID: 880-30945-1  
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30945-1	H-1 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-2	H-2 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-3	H-3 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-4	H-4 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-5	H-5 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-6	H-6 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-7	H-7 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-8	H-8 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-9	H-9 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-10	H-10 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-11	H-11 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-12	H-12 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-13	H-13 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-14	H-14 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47
880-30945-15	H-15 (0-0.5')	Solid	07/18/23 00:00	07/19/23 10:47

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Project Manager:	Clinton Merritt	Bill to (if different):	Lupe Carrasco
Company Name:	Carmona Resources	Company Name:	Durango Midstream
Address:	310 W Wall St Ste 500	Address:	288 W Kincaid Ranch Rd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 88210
Phone:	432-813-6823	Email:	gcarrasco@durangomidstream.com

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

Project Name:	Apache-Redwood	Turn Around:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code:	
Project Number:	2075	Due Date:		Standard TAT:		
Project Location:	Eddy County, New Mexico	Sample's Name:	CCM			
PO #:		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	N/A	Temperature Reading:		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:		Corrected Temperature:		
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Total Containers:						

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
H-1 (0-0 5')	7/18/2023		X		G	1	BTEX 8021B		None NO	
H-2 (0-0 5')	7/18/2023		X		G	1	TPH 8015M ( GRO + DRO + MRO)		DI Water H <sub>2</sub> O	
H-3 (0-0 5')	7/18/2023		X		G	1			Cool Cool	MeOH Me
H-4 (0-0 5')	7/18/2023		X		G	1			HCL HC	HNO <sub>3</sub> HN
H-5 (0-0 5')	7/18/2023		X		G	1			H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>	NaOH Na
H-6 (0-0 5')	7/18/2023		X		G	1			H <sub>3</sub> PO <sub>4</sub> HP	
H-7 (0-0 5')	7/18/2023		X		G	1			NaHSO <sub>4</sub> NABIS	
H-8 (0-0 5')	7/18/2023		X		G	1			Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>	
H-9 (0-0 5')	7/18/2023		X		G	1			Zn Acetate+NaOH Zn	
H-10 (0-0 5')	7/18/2023		X		G	1			NaOH+Ascorbic Acid SAPC	

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Mike Carmona</i>	7-19-23	<i>[Signature]</i>	10:47



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

Page 1 of 2

Project Manager: Clinton Merritt	Bill to: (if different)
Company Name: Carmona Resources	Company Name: Lupe Carrasco
Address: 310 W Wall St Ste 500	Address: Durango Midstream
City, State ZIP: Midland, TX 79701	City, State ZIP: Artesia, NM 88210
Phone: 432-813-6823	Email: <a href="mailto:lcarrasco@durangomidstream.com">lcarrasco@durangomidstream.com</a>

<b>Work Order Comments</b>	
Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Ironfields <input type="checkbox"/> RC <input type="checkbox"/> perfund	State of Project: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV
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	Project Number	Project Location	Sampler's Name	PO #	Turn Around		Parameters	ANALYSIS REQUEST	Preservative Codes
					<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush			
Apache-Redwood	2075	Eddy County, New Mexico	CCM						
<b>SAMPLE RECEIPT</b>					Temp Blank	Yes No	Thermometer ID		
Received Intact					Yes No		Correction Factor		
Cooler Custody Seals					Yes No		Temperature Reading		
Sample Custody Seals					Yes No		Corrected Temperature		
Total Containers									
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments		
H-11 (0-0 5')	7/18/2023		X		G	1	X	X	X
H-12 (0-0 5')	7/18/2023		X		G	1	X	X	X
H-13 (0-0 5')	7/18/2023		X		G	1	X	X	X
H-14 (0-0 5')	7/18/2023		X		G	1	X	X	X
H-15 (0-0 5')	7/18/2023		X		G	1	X	X	X

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

Relinquished by (Signature) 	Received by (Signature) 
Date/Time 7-19-23 1047	Date/Time

Loc: 880  
**30945**

### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-30945-1  
SDG Number: Eddy County New Mexico

Login Number: 30945

List Number: 1

Creator: Kramer, Jessica

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.	True	
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	

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

---

September 06, 2023

CLINT MERRITT

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: APACHE - REDWOOD

Enclosed are the results of analyses for samples received by the laboratory on 09/01/23 8:03.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 1 (0-1') (H234749-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.94	97.2	2.00	1.69	
Toluene*	<0.050	0.050	09/02/2023	ND	1.95	97.4	2.00	2.46	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.11	106	2.00	0.998	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.39	106	6.00	0.155	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	172	85.8	200	0.179	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	183	91.6	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 1 (1.5') (H234749-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.94	97.2	2.00	1.69	
Toluene*	<0.050	0.050	09/02/2023	ND	1.95	97.4	2.00	2.46	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.11	106	2.00	0.998	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.39	106	6.00	0.155	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 1 (2') (H234749-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.94	97.2	2.00	1.69	
Toluene*	<0.050	0.050	09/02/2023	ND	1.95	97.4	2.00	2.46	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.11	106	2.00	0.998	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.39	106	6.00	0.155	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 2 (0-1') (H234749-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 2 (1.5') (H234749-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 2 (2') (H234749-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 2 (3') (H234749-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 2 (4') (H234749-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 3 (0-1') (H234749-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
<b>Toluene*</b>	<b>0.060</b>	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
<b>Ethylbenzene*</b>	<b>0.116</b>	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
<b>Total Xylenes*</b>	<b>0.558</b>	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
<b>Total BTEX</b>	<b>0.735</b>	0.300	09/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2040</b>	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
<b>DRO &gt;C10-C28*</b>	<b>118</b>	10.0	09/01/2023	ND	189	94.4	200	3.36	
<b>EXT DRO &gt;C28-C36</b>	<b>11.6</b>	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 3 (1.5') (H234749-10)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
<b>Toluene*</b>	<b>0.386</b>	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
<b>Ethylbenzene*</b>	<b>0.294</b>	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
<b>Total Xylenes*</b>	<b>3.10</b>	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
<b>Total BTEX</b>	<b>3.78</b>	0.300	09/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 175 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>94.4</b>	10.0	09/01/2023	ND	175	87.6	200	1.38	
<b>DRO &gt;C10-C28*</b>	<b>44.0</b>	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 3 (2') (H234749-11)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 3 (3') (H234749-12)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 3 (4') (H234749-13)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 4 (0-1') (H234749-14)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
<b>Ethylbenzene*</b>	<b>0.060</b>	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
<b>Total Xylenes*</b>	<b>0.362</b>	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
<b>Total BTEX</b>	<b>0.422</b>	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>176</b>	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>19.9</b>	10.0	09/01/2023	ND	175	87.6	200	1.38	
<b>DRO &gt;C10-C28*</b>	<b>51.6</b>	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 4 (1.5') (H234749-15)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 4 (2') (H234749-16)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
<b>Ethylbenzene*</b>	<b>0.058</b>	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
<b>Total Xylenes*</b>	<b>0.218</b>	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 4 (3') (H234749-17)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 4 (4') (H234749-18)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 5 (0-1') (H234749-19)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
<b>Toluene*</b>	<b>0.288</b>	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
<b>Ethylbenzene*</b>	<b>1.00</b>	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
<b>Total Xylenes*</b>	<b>4.59</b>	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
<b>Total BTEX</b>	<b>5.88</b>	0.300	09/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 154 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3160</b>	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>113</b>	10.0	09/01/2023	ND	175	87.6	200	1.38	
<b>DRO &gt;C10-C28*</b>	<b>2360</b>	10.0	09/01/2023	ND	189	94.4	200	3.36	
<b>EXT DRO &gt;C28-C36</b>	<b>470</b>	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 5 (1.5') (H234749-20)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 5 (2') (H234749-21)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	175	87.6	200	1.38	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 72.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 5 (3') (H234749-22)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 5 (4') (H234749-23)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	4.23	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.6	2.00	5.26	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.14	107	2.00	5.59	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.34	106	6.00	6.44	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 6 (0-1') (H234749-24)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/01/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/01/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
DRO >C10-C28*	429	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	158	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 6 (1.5') (H234749-25)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/01/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/01/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 6 (2') (H234749-26)**

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	09/01/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/01/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>176</b>	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 7 (0-1') (H234749-27)**

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	09/01/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/01/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>368</b>	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
<b>DRO &gt;C10-C28*</b>	<b>81.5</b>	10.0	09/01/2023	ND	204	102	200	11.6	
<b>EXT DRO &gt;C28-C36</b>	<b>28.7</b>	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 7 (1.5') (H234749-28)**

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	09/01/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/01/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 7 (2') (H234749-29)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/01/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/01/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
<b>DRO &gt;C10-C28*</b>	<b>20.7</b>	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 7 (3') (H234749-30)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/01/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
<b>DRO &gt;C10-C28*</b>	<b>19.3</b>	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 7 (4') (H234749-31)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/01/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 8 (0-1') (H234749-32)**

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	09/01/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/01/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/01/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1390</b>	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
<b>DRO &gt;C10-C28*</b>	<b>71.2</b>	10.0	09/01/2023	ND	204	102	200	11.6	
<b>EXT DRO &gt;C28-C36</b>	<b>22.7</b>	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICC		

**Sample ID: T - 8 (1.5') (H234749-33)**

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	09/01/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/01/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
<b>DRO &gt;C10-C28*</b>	<b>22.6</b>	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 8 (2') (H234749-34)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/01/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/01/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
<b>DRO &gt;C10-C28*</b>	<b>16.7</b>	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 8 (3') (H234749-35)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/01/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/01/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/01/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/01/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
<b>DRO &gt;C10-C28*</b>	<b>24.0</b>	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 8 (4') (H234749-36)**

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	09/02/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 9 (0-1') (H234749-37)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>624</b>	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
<b>DRO &gt;C10-C28*</b>	<b>491</b>	10.0	09/01/2023	ND	204	102	200	11.6	
<b>EXT DRO &gt;C28-C36</b>	<b>227</b>	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 9 (1.5') (H234749-38)**

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	09/02/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 9 (2') (H234749-39)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 9 (3') (H234749-40)**

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	09/02/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	170	85.2	200	3.25	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 10 (0-1') (H234749-41)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2023	ND	170	85.2	200	3.25	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	204	102	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 10 (1.5') (H234749-42)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 10 (2') (H234749-43)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.00	99.8	2.00	1.26	
Toluene*	<0.050	0.050	09/02/2023	ND	1.99	99.3	2.00	1.31	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.08	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.25	104	6.00	1.52	
Total BTEX	<0.300	0.300	09/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 10 (3') (H234749-44)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.04	102	2.00	1.60	
Toluene*	<0.050	0.050	09/02/2023	ND	2.00	100	2.00	0.0476	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.09	104	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.23	104	6.00	1.12	
Total BTEX	<0.300	0.300	09/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 10 (4') (H234749-45)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.04	102	2.00	1.60	
Toluene*	<0.050	0.050	09/02/2023	ND	2.00	100	2.00	0.0476	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.09	104	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.23	104	6.00	1.12	
Total BTEX	<0.300	0.300	09/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICC		

**Sample ID: T - 10 (5') (H234749-46)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.04	102	2.00	1.60	
Toluene*	<0.050	0.050	09/02/2023	ND	2.00	100	2.00	0.0476	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.09	104	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.23	104	6.00	1.12	
Total BTEX	<0.300	0.300	09/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 11 (0-1') (H234749-47)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.04	102	2.00	1.60	
Toluene*	<0.050	0.050	09/02/2023	ND	2.00	100	2.00	0.0476	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.09	104	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.23	104	6.00	1.12	
Total BTEX	<0.300	0.300	09/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	382	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	133	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 11 (1.5') (H234749-48)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.04	102	2.00	1.60	
Toluene*	<0.050	0.050	09/02/2023	ND	2.00	100	2.00	0.0476	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.09	104	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.23	104	6.00	1.12	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 11 (2') (H234749-49)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.04	102	2.00	1.60	
Toluene*	<0.050	0.050	09/02/2023	ND	2.00	100	2.00	0.0476	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.09	104	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.23	104	6.00	1.12	
Total BTEX	<0.300	0.300	09/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/01/2023	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 11 (3') (H234749-50)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.04	102	2.00	1.60	
Toluene*	<0.050	0.050	09/02/2023	ND	2.00	100	2.00	0.0476	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.09	104	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.23	104	6.00	1.12	
Total BTEX	<0.300	0.300	09/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>128</b>	16.0	09/01/2023	ND	432	108	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	09/01/2023	ND	183	91.5	200	1.06	
<b>DRO &gt;C10-C28*</b>	<b>29.7</b>	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 11 (4') (H234749-51)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.04	102	2.00	1.60	
Toluene*	<0.050	0.050	09/02/2023	ND	2.00	100	2.00	0.0476	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.09	104	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.23	104	6.00	1.12	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/01/2023	ND	432	108	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	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 12 (0-1') (H234749-52)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.04	102	2.00	1.60	
Toluene*	<0.050	0.050	09/02/2023	ND	2.00	100	2.00	0.0476	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.09	104	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.23	104	6.00	1.12	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2120</b>	16.0	09/01/2023	ND	432	108	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	09/01/2023	ND	183	91.5	200	1.06	
<b>DRO &gt;C10-C28*</b>	<b>40.2</b>	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 12 (1.5') (H234749-53)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.04	102	2.00	1.60	
Toluene*	<0.050	0.050	09/02/2023	ND	2.00	100	2.00	0.0476	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.09	104	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.23	104	6.00	1.12	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	09/01/2023	ND	432	108	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	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 12 (2') (H234749-54)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.04	102	2.00	1.60	
Toluene*	<0.050	0.050	09/02/2023	ND	2.00	100	2.00	0.0476	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.09	104	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.23	104	6.00	1.12	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	09/01/2023	ND	432	108	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	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 69.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 12 (3') (H234749-55)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.04	102	2.00	1.60	
Toluene*	<0.050	0.050	09/02/2023	ND	2.00	100	2.00	0.0476	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.09	104	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.23	104	6.00	1.12	
Total BTEX	<0.300	0.300	09/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/01/2023	ND	432	108	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	09/01/2023	ND	183	91.5	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	191	95.7	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 49.1-148

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  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/30/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: T - 12 (4') (H234749-56)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	2.04	102	2.00	1.60	
Toluene*	<0.050	0.050	09/02/2023	ND	2.00	100	2.00	0.0476	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.09	104	2.00	0.824	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.23	104	6.00	1.12	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	09/01/2023	ND	432	108	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	09/01/2023	ND	195	97.6	200	3.72	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	196	97.9	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





Chain of Custody

Work Order No. H234749

Page 3 of 6

Project Manager:	Clinton Merritt	Bill to: (if different)	Lupe Carrasco
Company Name:	Carmona Resources	Company Name:	Durango Midstream
Address:	310 W Wall St Ste 500	Address:	288 W Kincaid Ranch Rd.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 88210
Phone:	432-813-6823	Email:	gcarrasco@duranomidstream.com

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

Project Name:	Apache-Redwood	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	2075	Due Date:	Standard TAT		
Project Location:	Eddy County, New Mexico				
Sampler's Name:	FV				
PO #:					
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Received Inlact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:		140	
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:		-7.92	
Total Containers:		Corrected Temperature:			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	
T-5 (2')	8/29/2023		X		G	1	X	X	X	
T-5 (3')	8/29/2023		X		G	1	X	X	X	
T-5 (4')	8/29/2023		X		G	1	X	X	X	
T-6 (0-1')	8/29/2023		X		G	1	X	X	X	
T-6 (1.5')	8/29/2023		X		G	1	X	X	X	
T-6 (2')	8/29/2023		X		G	1	X	X	X	
T-7 (0-1')	8/29/2023		X		G	1	X	X	X	
T-7 (1.5')	8/29/2023		X		G	1	X	X	X	
T-7 (2')	8/29/2023		X		G	1	X	X	X	
T-7 (3')	8/29/2023		X		G	1	X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			9/12/23 0803



Chain of Custody

Work Order No:

1834749

Page 5 of 6

Project Manager:	Clinton Merritt	Bill to: (if different)	Lupe Carrasco
Company Name:	Carmona Resources	Company Name:	Durango Midstream
Address:	310 W Wall St Ste 500	Address:	288 W Kincaid Ranch Rd.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 88210
Phone:	432-813-6823	Email:	gcarrasco@durangomidstream.com

<b>Work Order Comments</b>	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting Level:	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:	Apache-Redwood	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	2075	Due Date:	Standard TAT		
Project Location:	Eddy County, New Mexico				
Sampler's Name:	FV				
PO #:					
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:		146	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:			
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:		-7.92	
Total Containers:		Corrected Temperature:			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	
T-10 (0-1')	8/30/2023		X		G	1	X	X	X	
T-10 (1.5')	8/30/2023		X		G	1	X	X	X	
T-10 (2')	8/30/2023		X		G	1	X	X	X	
T-10 (3')	8/30/2023		X		G	1	X	X	X	
T-10 (4')	8/30/2023		X		G	1	X	X	X	
T-10 (5')	8/30/2023		X		G	1	X	X	X	
T-11 (0-1')	8/30/2023		X		G	1	X	X	X	
T-11 (1.5')	8/30/2023		X		G	1	X	X	X	
T-11 (2')	8/30/2023		X		G	1	X	X	X	
T-11 (3')	8/30/2023		X		G	1	X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			9-1-23 0803





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

---

September 06, 2023

CLINT MERRITT

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: APACHE - REDWOOD

Enclosed are the results of analyses for samples received by the laboratory on 09/01/23 8:03.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: H - 6 (0-0.5') (H234748-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.94	97.2	2.00	1.69	
Toluene*	<0.050	0.050	09/02/2023	ND	1.95	97.4	2.00	2.46	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.11	106	2.00	0.998	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.39	106	6.00	0.155	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	172	85.8	200	0.179	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	183	91.6	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/01/2023	Sampling Date:	08/29/2023
Reported:	09/06/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: H - 12 (0-0.5') (H234748-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2023	ND	1.94	97.2	2.00	1.69	
Toluene*	<0.050	0.050	09/02/2023	ND	1.95	97.4	2.00	2.46	
Ethylbenzene*	<0.050	0.050	09/02/2023	ND	2.11	106	2.00	0.998	
Total Xylenes*	<0.150	0.150	09/02/2023	ND	6.39	106	6.00	0.155	
Total BTEX	<0.300	0.300	09/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/01/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2023	ND	172	85.8	200	0.179	
DRO >C10-C28*	<10.0	10.0	09/01/2023	ND	183	91.6	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/01/2023	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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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

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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---

September 27, 2023

CLINT MERRITT

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: APACHE - REDWOOD

Enclosed are the results of analyses for samples received by the laboratory on 09/22/23 16:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 1 (2.5') (H235183-01)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94	
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72	
Total BTEX	<0.300	0.300	09/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 2 (2.5') (H235183-02)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94	
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72	
Total BTEX	<0.300	0.300	09/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 3 (2.5') (H235183-03)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94	
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72	
Total BTEX	<0.300	0.300	09/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 4 (2.5') (H235183-04)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94	
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXIC		

**Sample ID: CS - 5 (1.5') (H235183-05)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94	
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 6 (1.5') (H235183-06)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94	
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 7 (1.5') (H235183-07)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94	
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 8 (1.5') (H235183-08)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94	
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 9 (1.5') (H235183-09)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94	
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 10 (1.5') (H235183-10)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94	
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 11 (1.5') (H235183-11)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94	
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 12 (1.5') (H235183-12)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94		
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89		
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14		
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72		
Total BTEX	<0.300	0.300	09/25/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11		
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37		
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND						

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXIC		

**Sample ID: CS - 13 (1.5') (H235183-13)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94	
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXIC		

**Sample ID: CS - 14 (2.0') (H235183-14)**

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	09/25/2023	ND	1.76	87.9	2.00	5.94	
Toluene*	<0.050	0.050	09/25/2023	ND	1.80	89.8	2.00	4.89	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.92	96.2	2.00	6.14	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.73	95.6	6.00	6.72	
Total BTEX	<0.300	0.300	09/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 15 (2.0') (H235183-15)**

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	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	211	106	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 16 (2.0') (H235183-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 17 (2.0') (H235183-17)**

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	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 18 (2.0') (H235183-18)**

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	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 19 (2.0') (H235183-19)**

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	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 20 (2.0') (H235183-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 21 (2.0') (H235183-21)**

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	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXIC		

**Sample ID: CS - 22 (2.0') (H235183-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 23 (2.0') (H235183-23)**

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	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXIC		

**Sample ID: CS - 24 (2.0') (H235183-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 25 (2.0') (H235183-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 26 (2.0') (H235183-26)**

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	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 27 (2.0') (H235183-27)**

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	09/25/2023	ND	1.87	93.6	2.00	1.82		
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450		
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667		
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05		
Total BTEX	<0.300	0.300	09/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99		
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58		
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND						

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 28 (2.0') (H235183-28)**

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	09/25/2023	ND	1.87	93.6	2.00	1.82		
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450		
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667		
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05		
Total BTEX	<0.300	0.300	09/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99		
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58		
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND						

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICC		

**Sample ID: CS - 29 (2.0') (H235183-29)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 30 (2.0') (H235183-30)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 31 (2.0') (H235183-31)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXIC		

**Sample ID: CS - 32 (2.0') (H235183-32)**

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	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 33 (1.5') (H235183-33)**

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	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 34 (1.5') (H235183-34)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.87	93.6	2.00	1.82	
Toluene*	<0.050	0.050	09/25/2023	ND	2.07	103	2.00	0.00450	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.27	113	2.00	0.667	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.80	113	6.00	1.05	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 35 (1.5') (H235183-35)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	190	95.0	200	3.99	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	197	98.3	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 36 (1.5') (H235183-36)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 37 (1.5') (H235183-37)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 38 (1.5') (H235183-38)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 39 (1.5') (H235183-39)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>400</b>	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
<b>DRO &gt;C10-C28*</b>	<b>59.3</b>	10.0	09/25/2023	ND	203	102	200	6.94	
<b>EXT DRO &gt;C28-C36</b>	<b>25.3</b>	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 40 (1.5') (H235183-40)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334		
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39		
Total BTEX	<0.300	0.300	09/26/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>368</b>	16.0	09/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87		
<b>DRO &gt;C10-C28*</b>	<b>53.5</b>	10.0	09/25/2023	ND	203	102	200	6.94		
<b>EXT DRO &gt;C28-C36</b>	<b>24.2</b>	10.0	09/25/2023	ND						

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 41 (1.5') (H235183-41)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>432</b>	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
<b>DRO &gt;C10-C28*</b>	<b>75.7</b>	10.0	09/25/2023	ND	203	102	200	6.94	
<b>EXT DRO &gt;C28-C36</b>	<b>37.8</b>	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 42 (1.5') (H235183-42)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>416</b>	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
<b>DRO &gt;C10-C28*</b>	<b>71.7</b>	10.0	09/25/2023	ND	203	102	200	6.94	
<b>EXT DRO &gt;C28-C36</b>	<b>36.1</b>	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 43 (1.5') (H235183-43)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>448</b>	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
<b>DRO &gt;C10-C28*</b>	<b>50.6</b>	10.0	09/25/2023	ND	203	102	200	6.94	
<b>EXT DRO &gt;C28-C36</b>	<b>26.8</b>	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 44 (1.5') (H235183-44)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>336</b>	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
<b>DRO &gt;C10-C28*</b>	<b>54.6</b>	10.0	09/25/2023	ND	203	102	200	6.94	
<b>EXT DRO &gt;C28-C36</b>	<b>23.8</b>	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 45 (1.5') (H235183-45)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334		
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39		
Total BTEX	<0.300	0.300	09/26/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87		
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94		
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND						

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 46 (1.5') (H235183-46)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 47 (1.5') (H235183-47)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 59.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXIC		

**Sample ID: CS - 48 (1.5') (H235183-48)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 62.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.7 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 49 (3.5') (H235183-49)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 50 (3.5') (H235183-50)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 51 (3.5') (H235183-51)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 52 (3.5') (H235183-52)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 53 (3.5') (H235183-53)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 69.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.2 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 54 (3.5') (H235183-54)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.07	103	2.00	0.334	
Toluene*	<0.050	0.050	09/26/2023	ND	2.18	109	2.00	1.02	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.42	121	2.00	0.843	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	6.10	102	6.00	1.39	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 66.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICC		

**Sample ID: CS - 55 (3.5') (H235183-55)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	203	102	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 73.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXIC		

**Sample ID: CS - 56 (1.5') (H235183-56)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 74.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 1 (2.5') (H235183-57)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 70.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 2 (2.5') (H235183-58)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 63.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 3 (2.5') (H235183-59)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 4 (2.5') (H235183-60)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 75.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 5 (2.5') (H235183-61)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 6 (1.5') (H235183-62)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 7 (1.5') (H235183-63)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 8 (1.5') (H235183-64)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 9 (1.5') (H235183-65)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 10 (1.5') (H235183-66)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXIC		

**Sample ID: SW - 11 (1.5') (H235183-67)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 12 (1.0') (H235183-68)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 13 (2.0') (H235183-69)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 14 (2.0') (H235183-70)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 15 (2.0') (H235183-71)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 16 (2.0') (H235183-72)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 17 (2.0') (H235183-73)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 18 (2.0') (H235183-74)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.82	91.0	2.00	1.37	
Toluene*	<0.050	0.050	09/26/2023	ND	1.87	93.3	2.00	0.480	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.99	99.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.92	98.7	6.00	2.01	
Total BTEX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 19 (2.0') (H235183-75)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	198	98.8	200	1.32	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	210	105	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 20 (1.5') (H235183-76)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 21 (1.5') (H235183-77)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 22 (1.5') (H235183-78)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 23 (1.5') (H235183-79)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 24 (1.5') (H235183-80)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 25 (1.5') (H235183-81)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 26 (1.5') (H235183-82)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 27 (1.5') (H235183-83)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 28 (1.5') (H235183-84)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 29 (1.5') (H235183-85)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 30 (3.5') (H235183-86)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 31 (3.5') (H235183-87)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 32 (3.5') (H235183-88)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	09/25/2023	ND	432	108	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	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXIC		

**Sample ID: SW - 33 (3.5') (H235183-89)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	432	108	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	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 34 (3.5') (H235183-90)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	432	108	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	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 73.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: SW - 35 (3.5') (H235183-91)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	09/25/2023	ND	432	108	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	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	** (See Notes)
Project Number:	2075	Sample Received By:	Shalyn Rodriguez
Project Location:	DURANGO-EDDY COUNTY, NEW MEXIC		

**Sample ID: SW - 36 (3.5') (H235183-92)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.86	92.8	2.00	0.510	
Toluene*	<0.050	0.050	09/25/2023	ND	1.93	96.6	2.00	1.93	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.94	97.1	2.00	0.649	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.85	97.5	6.00	1.21	
Total BTEX	<0.300	0.300	09/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	432	108	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	09/25/2023	ND	206	103	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	214	107	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager







Chain of Custody

Work Order No: H235183

Page 4 of 10

Project Manager:	Clinton Merritt	Bill to: (if different)	Lupe Carrasco
Company Name:	Carmona Resources	Company Name:	Durango Midstream
Address:	310 W Wall St Ste 500	Address:	288 W Kincaid Ranch Rd.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 88210
Phone:	432-813-6823	Email:	gcarrasco@durangomidstream.com

Work Order Comments	
Program: UST/ST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>	State of Project:
Reporting Level: 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"/>

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Pres. Code	ANALYSIS REQUEST	Preservative Codes
							BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500			
CS-31 (2.0')	9/21/2023		X		C	1	X	X	X		None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
CS-32 (2.0')	9/21/2023		X		C	1	X	X	X			
CS-33 (1.5')	9/21/2023		X		C	1	X	X	X			
CS-34 (1.5')	9/21/2023		X		C	1	X	X	X			
CS-35 (1.5')	9/21/2023		X		C	1	X	X	X			
CS-36 (1.5')	9/21/2023		X		C	1	X	X	X			
CS-37 (1.5')	9/21/2023		X		C	1	X	X	X			
CS-38 (1.5')	9/21/2023		X		C	1	X	X	X			
CS-39 (1.5')	9/21/2023		X		C	1	X	X	X			
CS-40 (1.5')	9/21/2023		X		C	1	X	X	X			

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	9/22/23 10:15	<i>[Signature]</i>	







Chain of Custody

Work Order No: H235183

Page 8 of 10

Project Manager:	Clinton Merritt	Bill to: (if different)	Lupe Carrasco
Company Name:	Carmona Resources	Company Name:	Durango Midstream
Address:	310 W Wall St Ste 500	Address:	288 W Kincaid Ranch Rd.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 89210
Phone:	432-813-6823	Email:	gcarrasco@durangomidstream.com
Project Name:	Apache-Redwood	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	2075	Due Date:	Standard TAT
Project Location:	Eddy County, New Mexico		
Sampler's Name:	FV		
PO #:			

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

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Preservative Codes
							BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	
SW-15 (2.0')	9/21/2023		X		C	1	X	X	X	
SW-16 (2.0')	9/21/2023		X		C	1	X	X	X	
SW-17 (2.0')	9/21/2023		X		C	1	X	X	X	
SW-18 (2.0')	9/21/2023		X		C	1	X	X	X	
SW-19 (2.0')	9/21/2023		X		C	1	X	X	X	
SW-20 (1.5')	9/21/2023		X		C	1	X	X	X	
SW-21 (1.5')	9/21/2023		X		C	1	X	X	X	
SW-22 (1.5')	9/21/2023		X		C	1	X	X	X	
SW-23 (1.5')	9/21/2023		X		C	1	X	X	X	
SW-24 (1.5')	9/21/2023		X		C	1	X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9-22-23 WMS		

None: NO      DI Water: H<sub>2</sub>O  
Cool: Cool      MeOH: Me  
HCL: HC      HNO<sub>3</sub>: HN  
H<sub>2</sub>SO<sub>4</sub>: H<sub>2</sub>      NaOH: Na  
H<sub>3</sub>PO<sub>4</sub>: HP  
NaHSO<sub>4</sub>: NABIS  
Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>: NaSO<sub>3</sub>  
Zn Acetate+NaOH: Zn  
NaOH+Ascorbic Acid: SAPC

Chain of Custody

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

Page 9 of 10

Project Manager:	Clinton Merritt	Bill to: (if different)	Lupe Carrasco
Company Name:	Carmona Resources	Company Name:	Durango Midstream
Address:	310 W Wall St Ste 500	Address:	288 W Kincaid Ranch Rd.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 88210
Phone:	432-813-6823	Email:	gcarrasco@durangomidstream.com

Program: UST/PRP	<input type="checkbox"/> PRP	<input type="checkbox"/> Brownfields	<input type="checkbox"/> RC	<input type="checkbox"/> Iperfund
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:	Apache-Redwood	Turn Around	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes
Project Number:	2075	Due Date:	Standard TAT													None: NO
Project Location:	Eddy County, New Mexico															Cool: Cool
Sampler's Name:	FV															HCL: HC
PO #:																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>
																H <sub>3</sub> PO <sub>4</sub> : HP
																NaHSO <sub>4</sub> : NABIS
																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
																Zn Acetate+NaOH: Zn
																NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments			
							BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500											
SW-25 (1.5')	9/21/2023		X		C	1	X	X	X	X										
SW-26 (1.5')	9/21/2023		X		C	1	X	X	X	X										
SW-27 (1.5')	9/21/2023		X		C	1	X	X	X	X										
SW-28 (1.5')	9/21/2023		X		C	1	X	X	X	X										
SW-29 (1.5')	9/21/2023		X		C	1	X	X	X	X										
SW-30 (3.5')	9/21/2023		X		C	1	X	X	X	X										
SW-31 (3.5')	9/21/2023		X		C	1	X	X	X	X										
SW-32 (3.5')	9/21/2023		X		C	1	X	X	X	X										
SW-33 (3.5')	9/21/2023		X		C	1	X	X	X	X										
SW-34 (3.5')	9/21/2023		X		C	1	X	X	X	X										

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	9/22/23 14:15	<i>[Signature]</i>	

Chain of Custody

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

Page 10 of 10

Project Manager:	Clinton Merritt	Bill to: (if different)	Lupe Carrasco
Company Name:	Carmona Resources	Company Name:	Durango Midstream
Address:	310 W Wall St Ste 500	Address:	288 W. Kincaid Ranch Rd.
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Artesia, NM 88210
Phone:	432-813-6823	Email:	gcarrasco@durangomidstream.com

Program: UST/PRP <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> TRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: _____ Reporting Level: 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:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes		
					<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		Due Date:	Standard TAT											
Apache-Redwood	2075	Eddy County, New Mexico	FV															None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC		
<b>SAMPLE RECEIPT</b> Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Total Containers: _____					Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Thermometer ID: 140 Correction Factor: 2.8% Temperature Reading: _____ Corrected Temperature: _____		Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Parameters: BTEX 8021B, TPH 8015M (GRO + DRO + MRO), Chloride 4500												DI Water: H <sub>2</sub> O MeOH: Me HNO <sub>3</sub> : HN NaOH: Na	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments			
SM-35 (3.5')	9/21/2023		X		C	1	X	X	X											
SM-36 (3.5')	9/21/2023		X		C	1	X	X	X											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	9-22-23 10:15	<i>[Signature]</i>	



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---

October 03, 2023

CLINT MERRITT

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: APACHE - REDWOOD

Enclosed are the results of analyses for samples received by the laboratory on 09/28/23 11:16.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/28/2023	Sampling Date:	09/28/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 41 (1.75') (H235301-01)**

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	09/29/2023	ND	1.77	88.5	2.00	5.61	
Toluene*	<0.050	0.050	09/29/2023	ND	1.94	97.0	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.06	103	2.00	0.309	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/29/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	206	103	200	6.19	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	205	103	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CLINT MERRITT  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received:	09/28/2023	Sampling Date:	09/28/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	APACHE - REDWOOD	Sampling Condition:	Cool & Intact
Project Number:	2075	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO-EDDY COUNTY, NEW MEXICCO		

**Sample ID: CS - 42 (1.75') (H235301-02)**

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	09/29/2023	ND	1.77	88.5	2.00	5.61	
Toluene*	<0.050	0.050	09/29/2023	ND	1.94	97.0	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.06	103	2.00	0.309	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/29/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/29/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	206	103	200	6.19	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	205	103	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 71.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



## APPENDIX F

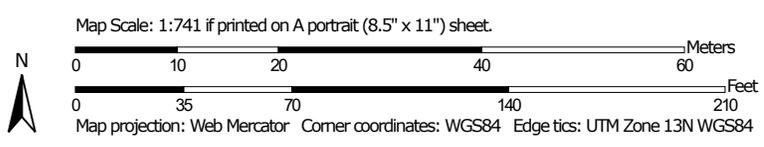
CARMONA RESOURCES



Soil Map—Eddy Area, New Mexico



Soil Map may not be valid at this scale.



Soil Map—Eddy Area, New Mexico

**MAP LEGEND**

**Area of Interest (AOI)**

 Area of Interest (AOI)

**Soils**

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

**Special Point Features**



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

**Water Features**



Streams and Canals

**Transportation**



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

**Background**



Aerial Photography

**MAP INFORMATION**

The soil surveys that comprise your AOI were mapped at 1:20,000.

**Warning:** Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL:  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico  
 Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Soil Map—Eddy Area, New Mexico

---

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GC	Gypsum land-Cottonwood complex, 0 to 3 percent slopes	0.6	100.0%
<b>Totals for Area of Interest</b>		<b>0.6</b>	<b>100.0%</b>

Map Unit Description: Gypsum land-Cottonwood complex, 0 to 3 percent slopes---Eddy Area,  
New Mexico

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## Eddy Area, New Mexico

### GC—Gypsum land-Cottonwood complex, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w4g

*Elevation:* 1,250 to 5,000 feet

*Mean annual precipitation:* 10 to 25 inches

*Mean annual air temperature:* 57 to 66 degrees F

*Frost-free period:* 190 to 225 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Gypsum land:* 60 percent

*Cottonwood and similar soils:* 30 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Gypsum Land

##### Setting

*Landform:* Ridges, plains, hills

*Landform position (two-dimensional):* Shoulder, backslope, footslope, toeslope

*Landform position (three-dimensional):* Side slope, head slope, nose slope, crest

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Residuum weathered from gypsum

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8s

*Hydric soil rating:* No

#### Description of Cottonwood

##### Setting

*Landform:* Ridges, hills

*Landform position (two-dimensional):* Shoulder, backslope, footslope, toeslope

*Landform position (three-dimensional):* Side slope, head slope, nose slope, crest

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Residuum weathered from gypsum

##### Typical profile

*H1 - 0 to 8 inches:* loam

*H2 - 8 to 60 inches:* bedrock

Map Unit Description: Gypsum land-Cottonwood complex, 0 to 3 percent slopes---Eddy Area,  
New Mexico

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### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* 3 to 12 inches to paralithic bedrock

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately high to high (0.20 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 15 percent

*Gypsum, maximum content:* 5 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0  
mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Very low (about 1.2 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6s

*Hydrologic Soil Group:* D

*Ecological site:* R070BB006NM - Gyp Upland

*Hydric soil rating:* No

### Minor Components

#### Cottonwood

*Percent of map unit:* 5 percent

*Ecological site:* R070BC033NM - Salty Bottomland

*Hydric soil rating:* No

#### Rock outcrop

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

BLM Serial #:

Company Reference:

### 3.2 Seed Mixture for LPC Sand/Shinnery Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

\*Pounds of pure live seed: Pounds of seed x percent purity x percent germination = pounds pure live seed

NW

N

NE

E

330

0

30

60

90

120

☉ 37°NE (T) LAT: 33.012869 LON: -103.964748 ±9ft ▲ 3972ft

### Bamert Seed Company Inc.

1897 CR 1018 Muleshoe, TX 79347

(800) 262-9892

Permit # TX00905

~~Technology~~ - BLM LPC Blend

Lot/Sales # SO-79220

#### Kind & Variety

Kind & Variety	Pure Seed	Germ	Dormant	Hard Seed	Origin
Bluestem Big. "Kaw" (Andropogon gerardii)	19.46%	94.00%	4.00%	0.00%	TX
Bluestem, Little "Cimarron" (Schizachyrium scoparium)	13.43%	67.00%	4.00%	0.00%	TX
Bluestem, Sand "Chet" (Andropogon hallii)	16.39%	92.00%	5.00%	0.00%	TX
Bristlegrass Plains. (Setaria vulpiseta)	17.47%	21.00%	70.00%	0.00%	OK
Coreopsis, "Plains" (Coreopsis tinctoria)	6.84%	93.00%	0.00%	0.00%	NC
Dropseed, Sand (Sporobolus cryptandrus)	3.21%	8.00%	91.00%	0.00%	TX

Purity: 76.80% Inert Matter: 19.60%

Noxious Weed Seed Per/Lb: None

Other Crop Seed: 3.59%

Test Date: 05/2023

Weed Seed: 0.00%

Net Wt: 40 lbs

Durango

M-Chavez-8-S-07262023

23 Oct 2023, 11:08:55

**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 286353

**CONDITIONS**

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 286353
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
amaxwell	Remediation and reclamation closure approved.	3/19/2024
amaxwell	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeded activities, inspections, and final pictures when revegetation is achieved.	3/19/2024
amaxwell	OR Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/19/2024