



## SITE INFORMATION

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**Closure Report**  
**Margarita 12/Carne Asada SC 501H/502H**  
**Incident ID: nAPP2222056421**  
**Lea County, New Mexico**  
**Unit D Sec 7 T22S R35E**  
**32.40609°, -103.40666°**

**Produced Water Release**  
**Point of Release: Flowline Rupture**  
**Release Date: 08/07/22**  
**Volume Released: 41 Barrels of Produced Water**  
**Volume Recovered: 31 Barrels of Produced Water**

**CARMONA RESOURCES**



**Prepared for:**  
**Permian Resources**  
**300 N. Marienfeld St. Suite 1000**  
**Midland, TX 79701**

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



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April 10, 2024

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

**Re: Closure Report**  
**Margarita 12/Carme Asada SC 501/502H**  
**Permian Resources**  
**Incident #: nAPP2222056421**  
**Site Location: Unit D Sec 07 T22S R35E**  
**(Lat 32.40609°, Long -103.40666°)**  
**Lea County, New Mexico**

To whom it may concern:

On behalf of Permian Resources Inc., SDR Enterprises and Carmona Resources, LLC have prepared this letter to document site activities for the Margarita 12/Carme Asada SC 501/502H. The site is located at 32.40609°, -103.40666° within Unit D Sec 07 T22S R35E, in Lea County, New Mexico (Figures 1 and 2).

### **1.0 Site Information and Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 8, 2022, caused by a lay-flat rupture. It released approximately forty-one (41) barrels of produced water, with thirty-one (31) barrels of produced water recovered. The impacted area occurred on the pasture, shown in Figure 3. The initial C-141 form is attached in Appendix C.

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

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known water source within a 0.50-mile radius of the location. The nearest identified well is approximately 0.39 miles North of the site in S07, T22S, R35E and was drilled in 2022. The well has a reported depth to be dry at 55 feet below the ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 100 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

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432.813.1992



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

SDR Enterprises and Carmona Resources took over an open excavation from a previous third-party company. On February 12, 2024, and February 13, 2024, SDR Enterprises and Carmona Resources, LLC conducted on-site assessment activities to evaluate soil impacts stemming from the release in the open excavation based on provided laboratory data. The area of concern had previously been excavated approximately 1.5'-2' in various areas by a third-party company. Refer to Figure 3 for the initial excavation with sample points. During Carmona Resources' initial assessment, the excavation was delineated vertically and horizontally for chlorides and TPH by using an Exstik II EC400 meter, a LaMotte Chloride kit, and a PID meter. Once the extents of delineation were established, Carmona Resources flagged off the vertical and horizontal extents and indicated the depth needed for additional excavation in each area. Refer to Figure 3 for the sample location map.

#### **5.0 Confirmation Sampling**

Carmona Resources personnel were on site to collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via email and via the NMOCD portal on the following dates, per Subsection D of 19.15.29.12 NMAC: 02/26/2024, 03/06/2024, and 03/20/2024. See Appendix C. A total of two hundred – ninety-five (295) confirmation floor samples (CS-1 through CS-295) and forty-eight (48) sidewall samples (SW-1 through SW-48) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH 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 met reclamation and regulatory requirements for TPH, BTEX, and chloride. Refer to Table 4.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade, and a total of 1,664 cubic yards of contaminated material was transported off-site for proper disposal at Lea Land Disposal.

#### **6.0 Conclusions**

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

Sincerely,

**Carmona Resources, LLC**

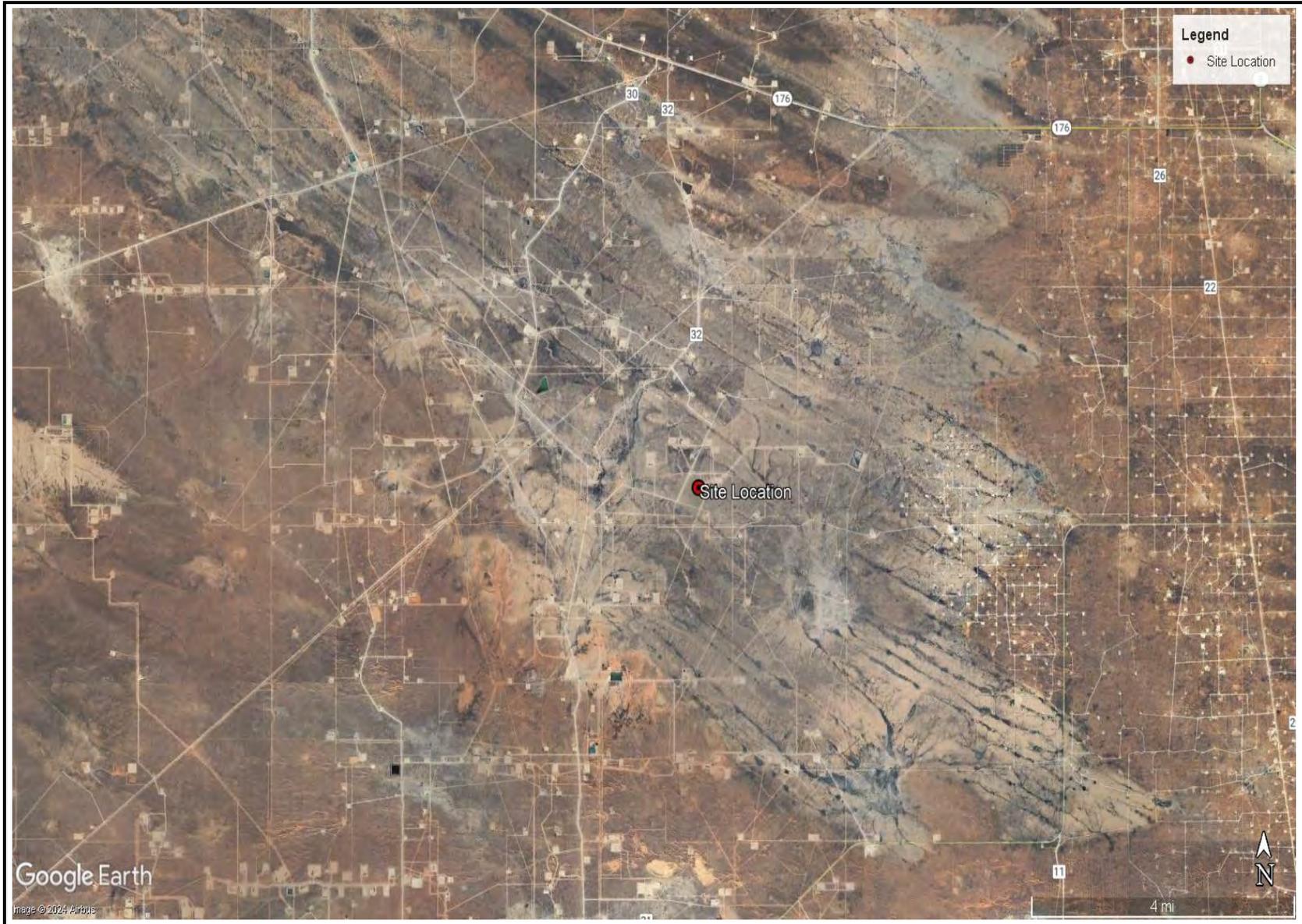
Mike Carmona  
Environmental Manager

Coner Moehring  
Sr. Project Manager

# FIGURES

CARMONA RESOURCES



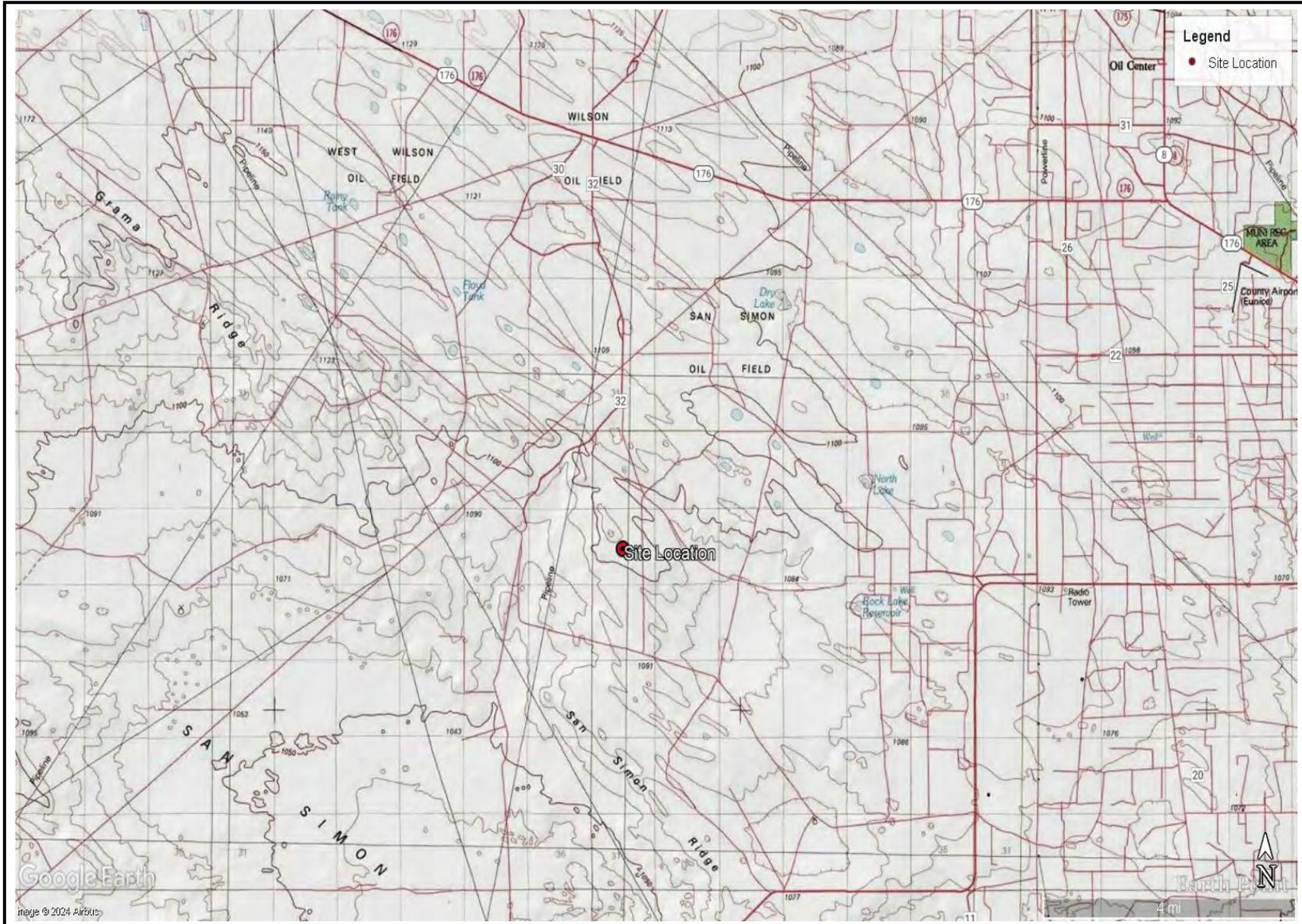


Google Earth  
Image © 2024 Airmap

OVERVIEW MAP  
PERMIAN RESOURCES  
MARGARITA12/CARNE ASADA SC 501/502H  
LEA COUNTY, NEW MEXICO  
32.40609°, -103.40666°



FIGURE 1



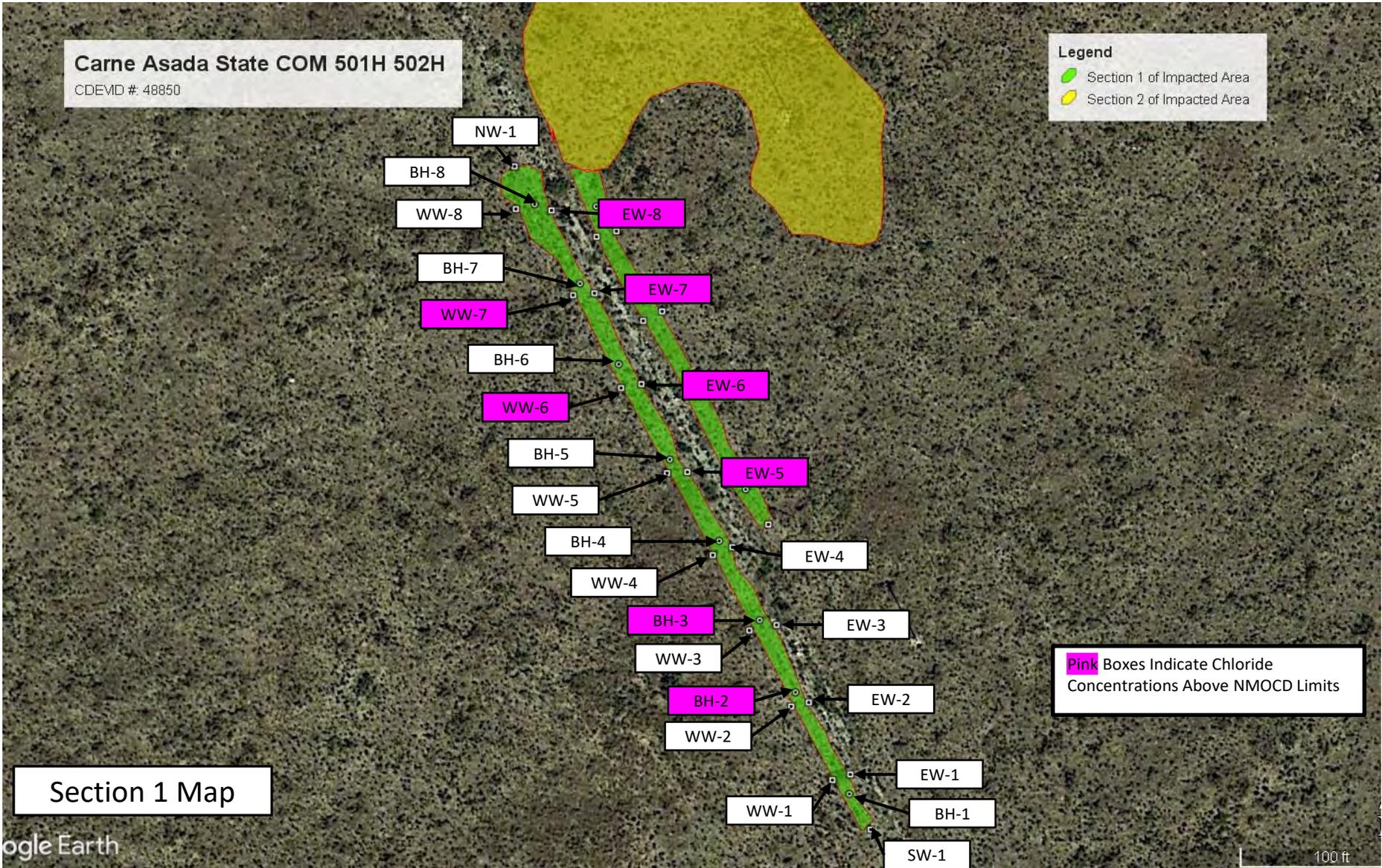
TOPOGRAPHIC MAP  
PERMIAN RESOURCES  
MARGARITA12/CARNE ASADA SC 501/502H  
LEA COUNTY, NEW MEXICO  
32.40609°, -103.40666°



FIGURE 2

FIGURE 3

# Site Details and Sample Location Map



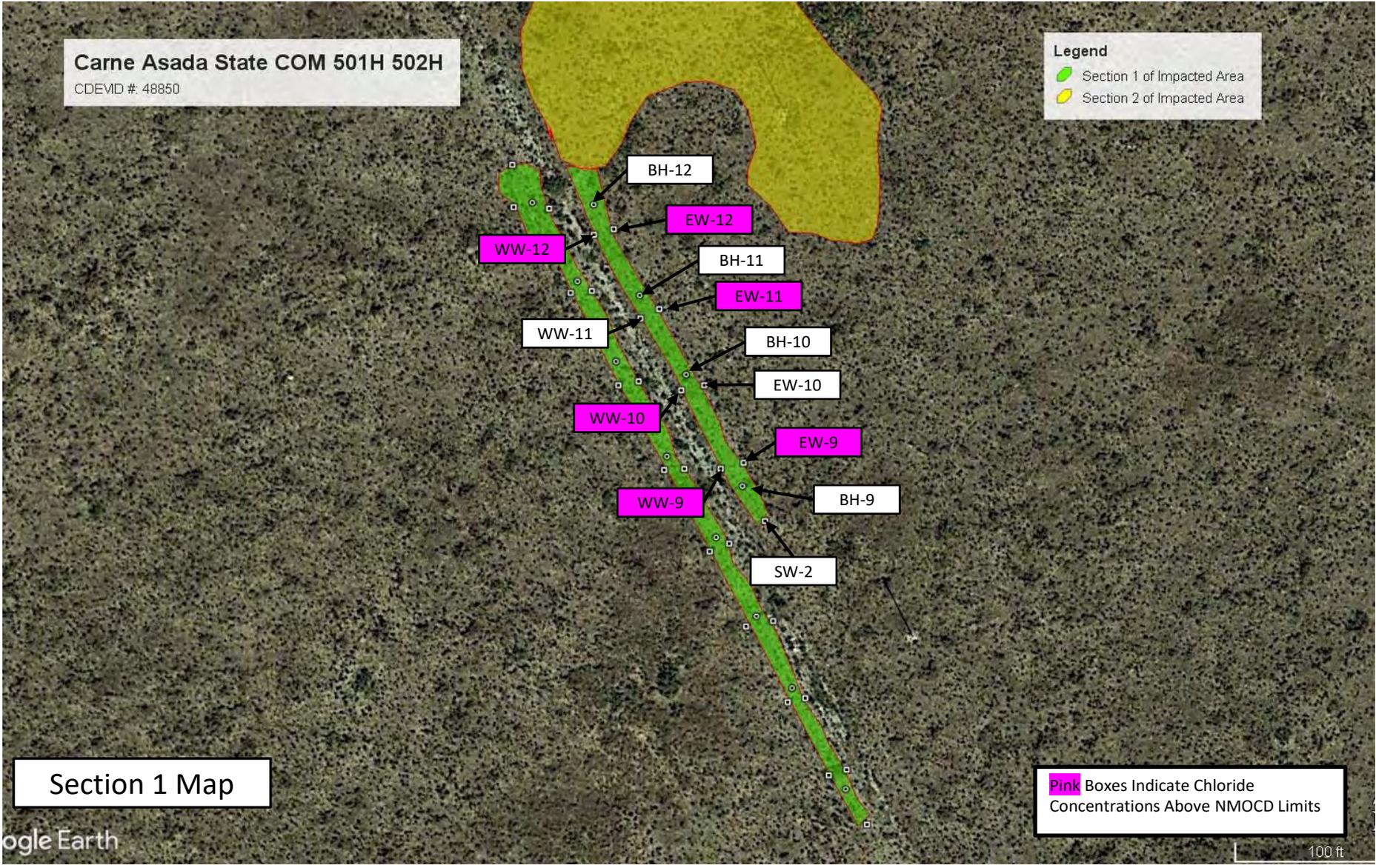
Site Name: Carne Asada

CDEVID #: 48850

Sample Date(s): 12/2/2022

FIGURE 3

# Site Details and Sample Location Map



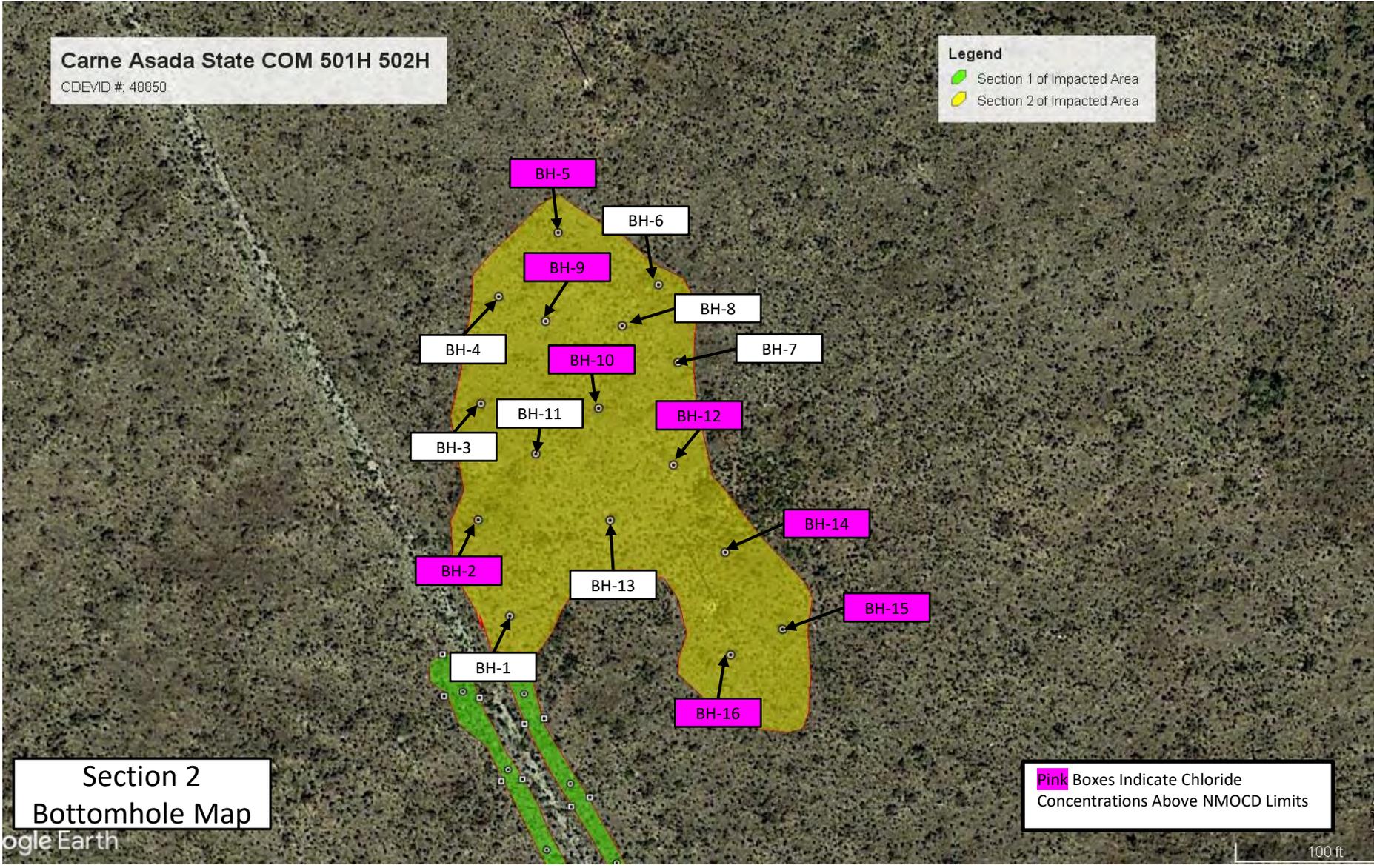
Site Name: Carne Asada

CDEVID #: 48850

Sample Date(s): 12/2/2022

FIGURE 3

# Site Details and Sample Location Map



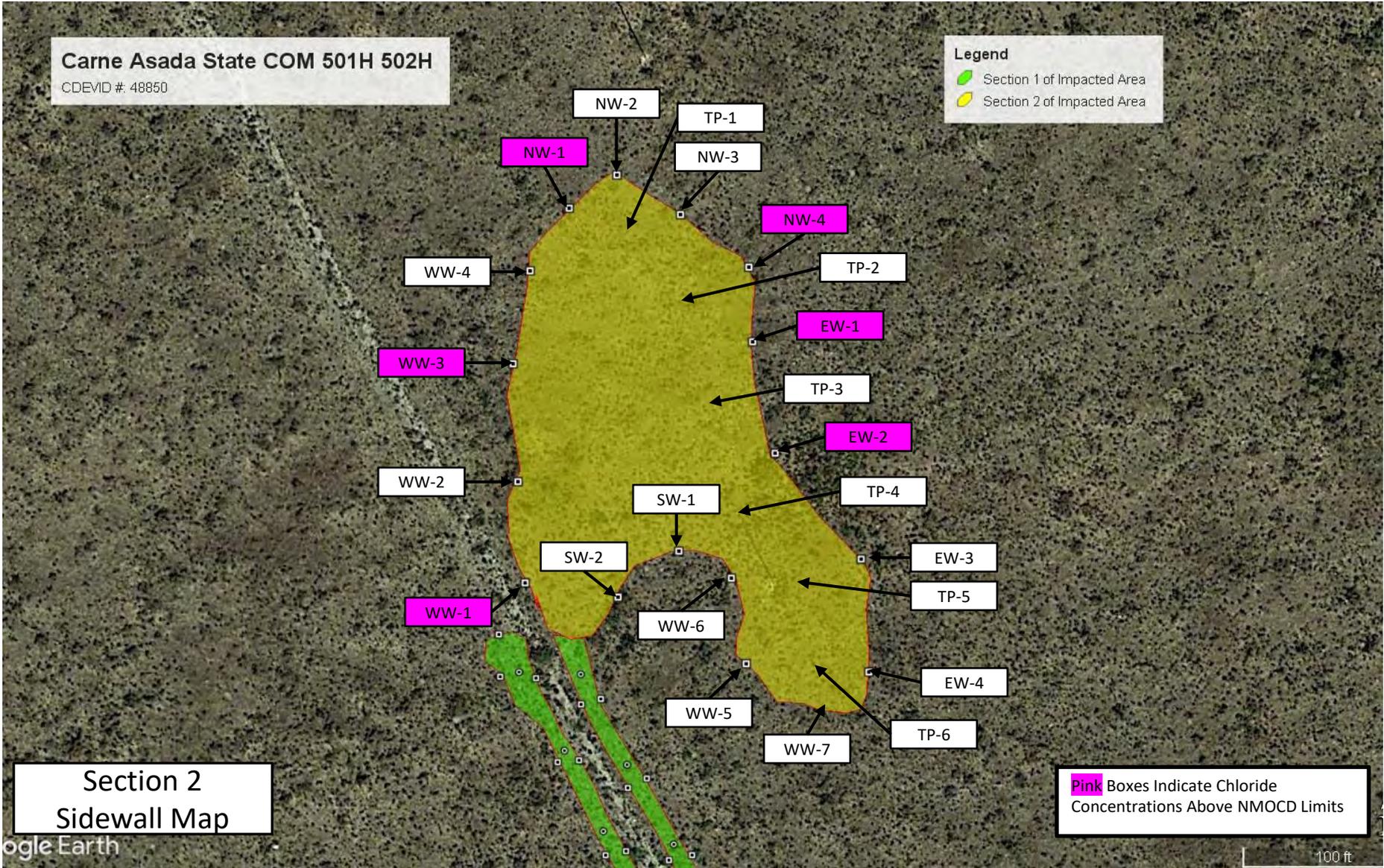
Site Name: Carne Asada

CDEVID #: 48850

Sample Date(s): 12/2/2022

FIGURE 3

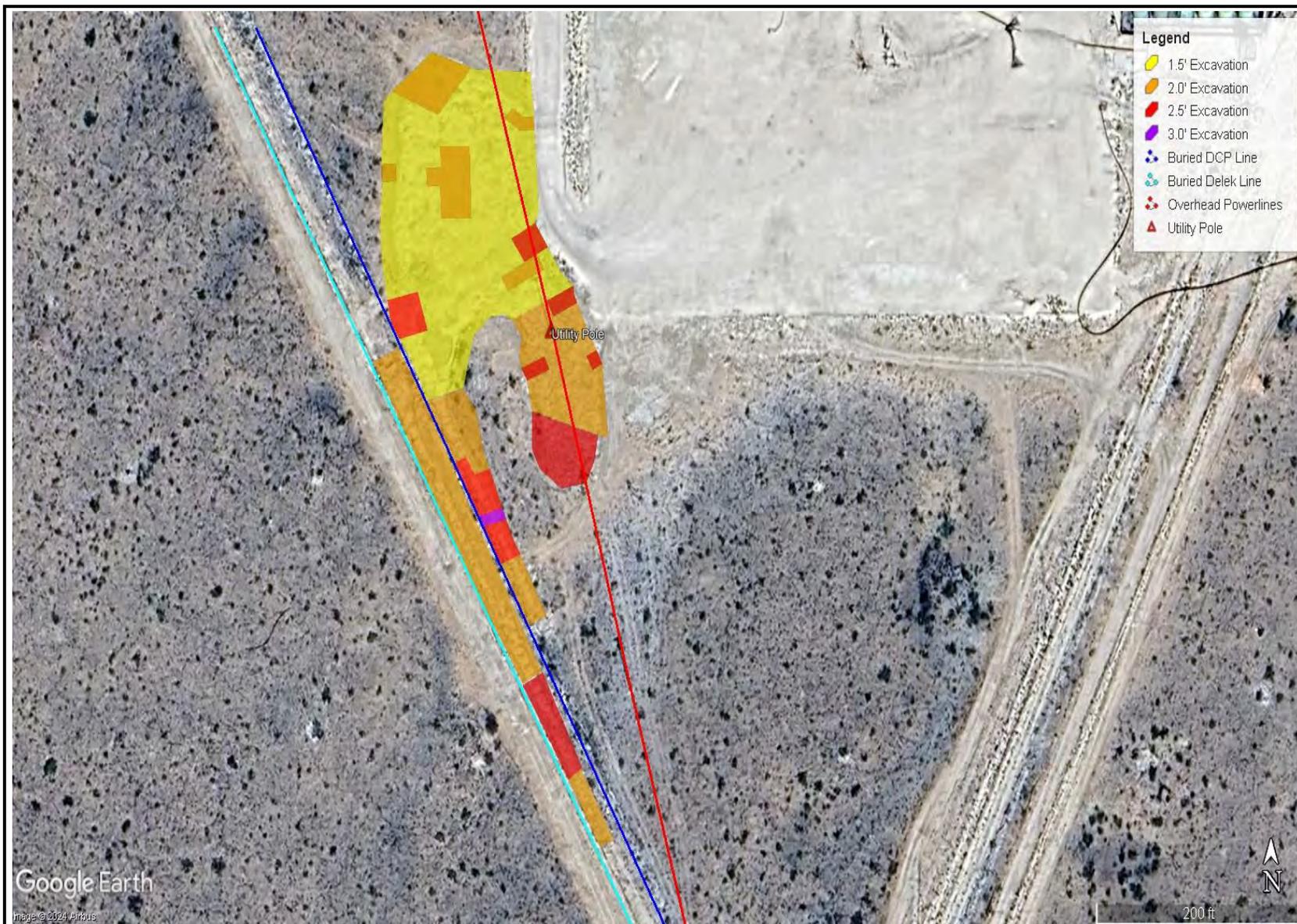
# Site Details and Sample Location Map



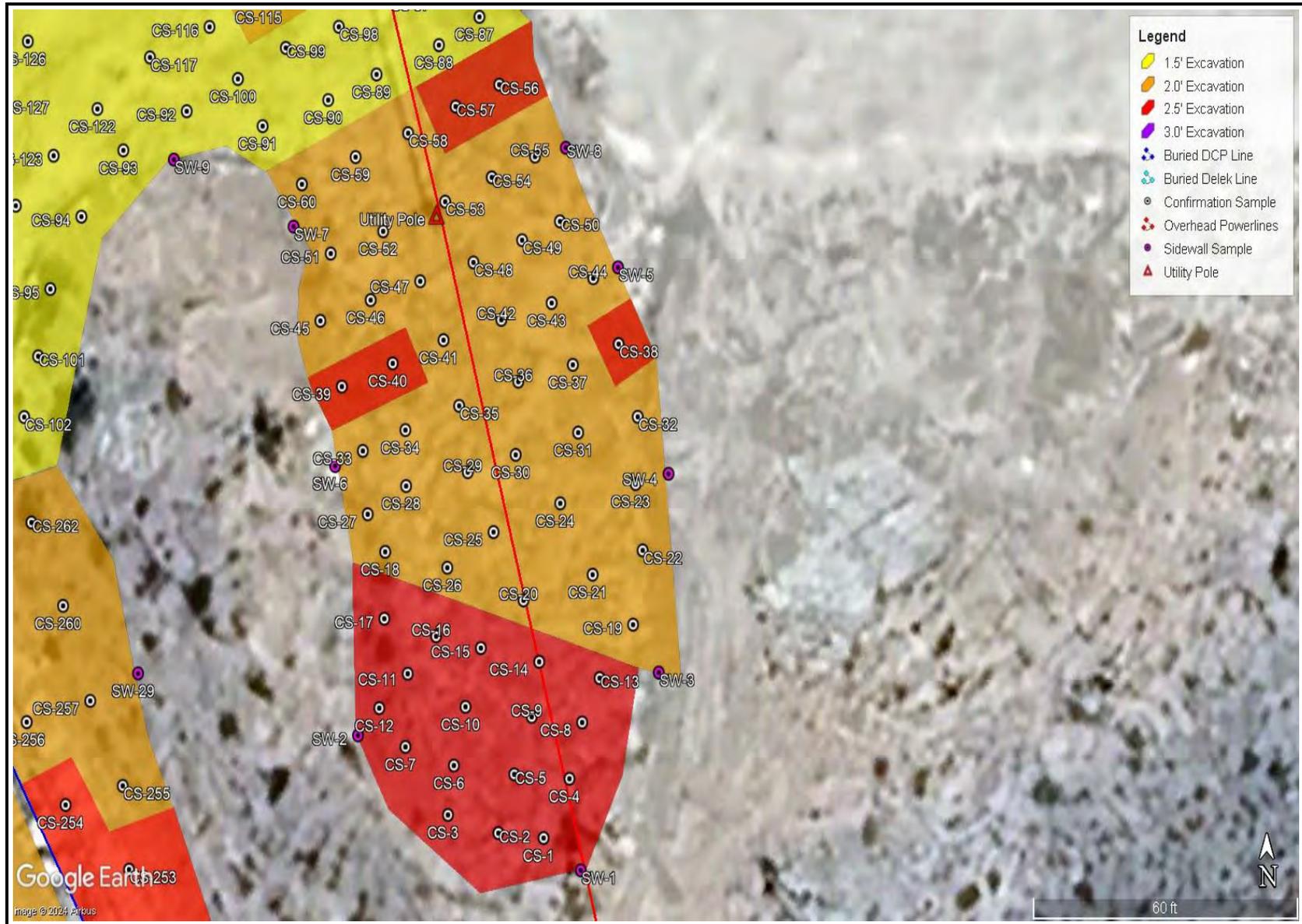
Site Name: Carne Asada

CDEVID #: 48850

Sample Date(s): 12/2/2022, 5/03/23



<p>EXCAVATION DEPTH MAP OVERVIEW PERMIAN RESOURCES MARGARITA12/CARNE ASADA SC 501/502H LEA COUNTY, NEW MEXICO 32.40609°, -103.40666°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4</p>
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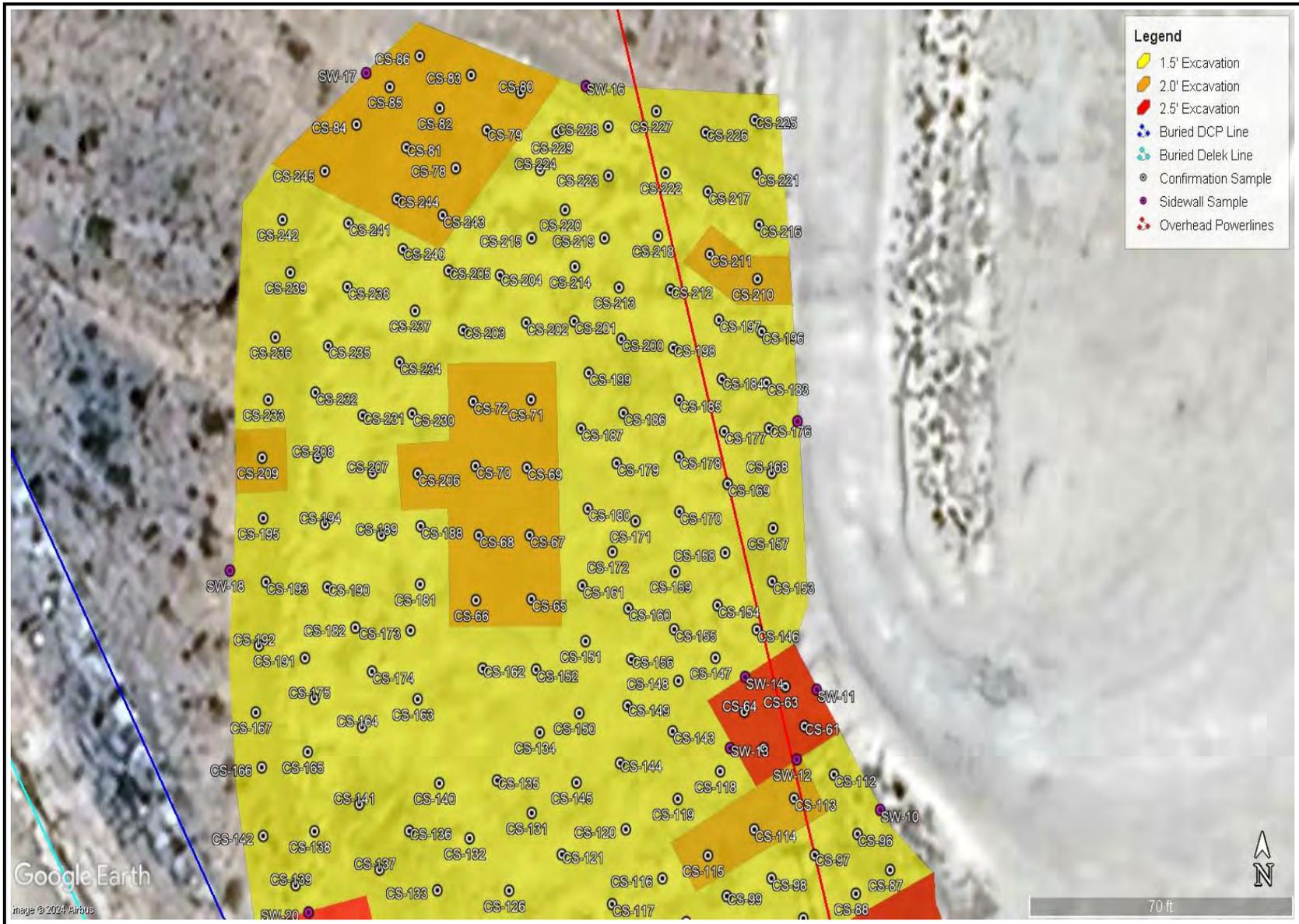


Google Earth  
Image © 2024 Airbus

EXCAVATION DEPTH MAP  
PERMIAN RESOURCES  
MARGARITA12/CARNE ASADA SC 501/502H  
LEA COUNTY, NEW MEXICO  
32.40609°, -103.40666°



FIGURE 4A

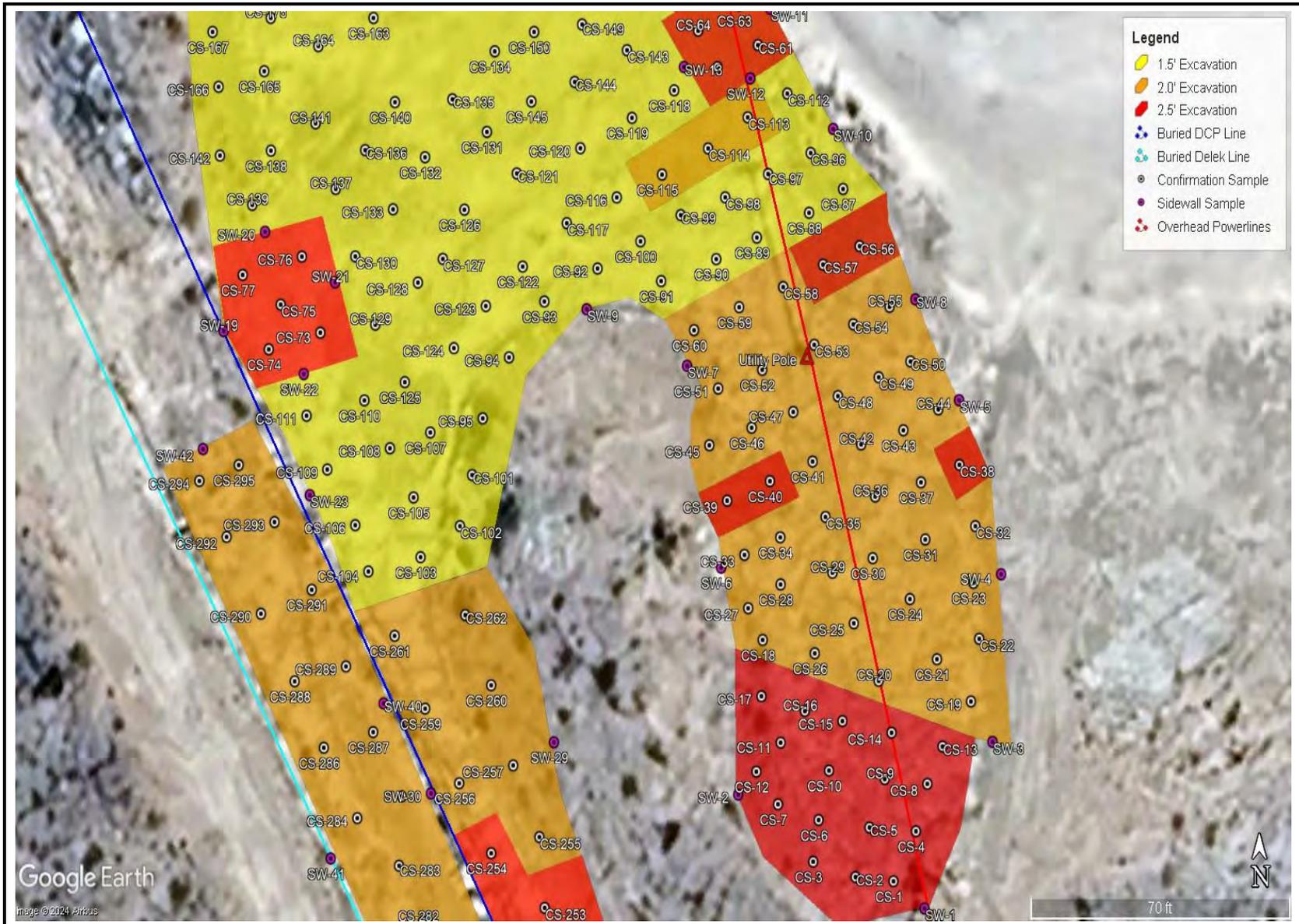


Google Earth  
Image © 2024 Airbus

EXCAVATION DEPTH MAP  
PERMIAN RESOURCES  
MARGARITA12/CARNE ASADA SC 501/502H  
LEA COUNTY, NEW MEXICO  
32.40609°, -103.40666°



FIGURE 4B



EXCAVATION DEPTH MAP  
PERMIAN RESOURCES  
MARGARITA12/CARNE ASADA SC 501/502H  
LEA COUNTY, NEW MEXICO  
32.40609°, -103.40666°



FIGURE 4C



EXCAVATION DEPTH MAP  
PERMIAN RESOURCES  
MARGARITA12/CARNE ASADA SC 501/502H  
LEA COUNTY, NEW MEXICO  
32.40609°, -103.40666°



FIGURE 4D



EXCAVATION DEPTH MAP  
PERMIAN RESOURCES  
MARGARITA12/CARNE ASADA SC 501/502H  
LEA COUNTY, NEW MEXICO  
32.40609°, -103.40666°



FIGURE 4E

# APPENDIX A

CARMONA RESOURCES



TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL  
 PERMIAN RESOURCES (FORMALLY CENTENNIAL)  
 CARNE ASADA STATE COM 501H 502H  
 LEA COUNTY, NEW MEXICO  
 CDEVID #: 48850

All concentrations are reported in mg/kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021b						METHOD: SW 8015M				E 300.1
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL BTEX	TPH GRO C <sub>6</sub> -C <sub>12</sub>	TPH DRO C <sub>12</sub> -C <sub>28</sub>	TPH ORO C <sub>28</sub> -C <sub>35</sub>	TOTAL TPH C <sub>6</sub> -C <sub>35</sub>	CHLORIDE
NMOCD Limits		10					50				100	600
Section 1 Bottomhole Sample Results (Green Area)												
BH-1 @ 2'	12/02/22	<0.00116	<0.00116	<0.00116	<0.00233	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	355
BH-2 @ 2'	12/02/22	<0.00115	<0.00115	<0.00115	<0.00230	<0.00115	<0.00230	<28.7	<28.7	<28.7	<28.7	701
BH-3 @ 2'	12/02/22	<0.00109	<0.00109	<0.00109	<0.00217	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	1,760
BH-4 @ 2'	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	512
BH-5 @ 2'	12/02/22	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	281
BH-6 @ 2'	12/02/22	<0.00116	<0.00116	<0.00116	<0.00233	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	520
BH-7 @ 2'	12/02/22	<0.00109	<0.00109	<0.00109	<0.00217	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	557
BH-8 @ 2'	12/02/22	<0.00120	<0.00120	<0.00120	<0.00241	<0.00120	<0.00241	<30.1	<30.1	<30.1	<30.1	254
BH-9 @ 2'	12/02/22	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	225
BH-10 @ 2'	12/02/22	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	305
BH-11 @ 2'	12/02/22	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	170
BH-12 @ 2'	12/02/22	<0.00118	<0.00118	<0.00118	<0.00235	<0.00118	<0.00235	<29.4	<29.4	<29.4	<29.4	127
Section 1 Sidewall Sample Results (Green Area)												
NW-1 @ 1'	12/02/22	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	216
WW-1 @ 1'	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	178
WW-2 @ 1'	12/02/22	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	159
WW-3 @ 1'	12/02/22	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	128
WW-4 @ 1'	12/02/22	<0.00119	<0.00119	<0.00119	<0.00238	<0.00119	<0.00238	<29.8	<29.8	<29.8	<29.8	425
WW-5 @ 1'	12/02/22	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	210
WW-6 @ 1'	12/02/22	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	607
WW-7 @ 1'	12/02/22	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	4,680
WW-8 @ 1'	12/02/22	<0.00115	<0.00115	<0.00115	<0.00230	<0.00115	<0.00230	<28.7	<28.7	<28.7	<28.7	400
WW-9 @ 1'	12/02/22	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	1,160
WW-10 @ 1'	12/02/22	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	736
WW-11 @ 1'	12/02/22	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	248
WW-12 @ 1'	12/02/22	<0.00118	<0.00118	<0.00118	<0.00235	<0.00118	<0.00235	<29.4	<29.4	<29.4	<29.4	1,140
EW-1 @ 1'	12/02/22	<0.00115	<0.00115	<0.00115	<0.00230	<0.00115	<0.00230	<28.7	<28.7	<28.7	<28.7	87.8
EW-2 @ 1'	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	255
EW-3 @ 1'	12/02/22	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	65.9
EW-4 @ 1'	12/02/22	<0.00116	<0.00116	<0.00116	<0.00233	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	235

**TABLE 1**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL**  
**PERMIAN RESOURCES (FORMALLY CENTENNIAL)**  
**CARNE ASADA STATE COM 501H 502H**  
**LEA COUNTY, NEW MEXICO**  
**CDEVID #: 48850**

*All concentrations are reported in mg/kg*

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021b						METHOD: SW 8015M				E 300.1
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL BTEX	TPH GRO C <sub>6</sub> -C <sub>12</sub>	TPH DRO C <sub>12</sub> -C <sub>28</sub>	TPH ORO C <sub>28</sub> -C <sub>35</sub>	TOTAL TPH C <sub>6</sub> -C <sub>35</sub>	CHLORIDE
EW-5 @ 1'	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	1,360
EW-6 @ 1'	12/02/22	<0.00109	<0.00109	<0.00109	<0.00217	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	5,940
EW-7 @ 1'	12/02/22	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	1,700
EW-8 @ 1'	12/02/22	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	7,000
EW-9 @ 1'	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	7,470
EW-10 @ 1'	12/02/22	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	519
EW-11 @ 1'	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	2,550
EW-12 @ 1'	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	4,600
SW-1 @ 1'	12/02/22	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	262
SW-2 @ 1'	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	275
<b>Section 2 Bottomhole Sample Results (Yellow Area)</b>												
BH-1 @ 1.5'	12/02/22	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	42.8
BH-2 @ 1.5'	12/02/22	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	950
BH-3 @ 1.5'	12/02/22	<0.00123	<0.00123	<0.00123	<0.00247	<0.00123	<0.00247	<30.9	<30.9	<30.9	<30.9	33.6
BH-4 @ 1.5'	12/02/22	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	510
BH-5 @ 1.5'	12/02/22	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	2,100
BH-6 @ 1.5'	12/02/22	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	499
BH-7 @ 1.5'	12/02/22	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	489
BH-8 @ 1.5'	12/02/22	<0.00118	<0.00118	<0.00118	<0.00235	<0.00118	<0.00235	<29.4	<29.4	<29.4	<29.4	217
BH-9 @ 1.5'	12/02/22	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	1,450
BH-10 @ 1.5'	12/02/22	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	790
BH-11 @ 1.5'	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	57.1
BH-12 @ 1.5'	12/02/22	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	1,100
BH-13 @ 1.5'	12/02/22	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	586
BH-14 @ 1.5'	12/02/22	<0.00109	<0.00109	<0.00109	<0.00217	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	3,550
BH-15 @ 1.5'	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	1,740
BH-16 @ 1.5'	12/02/22	<0.00119	<0.00119	<0.00119	<0.00238	<0.00119	<0.00238	<29.8	<29.8	<29.8	<29.8	1,770
<b>Section 2 Sidewall Sample Results (Yellow Area)</b>												
NW-1 @ 1'	12/02/22	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	2,070
NW-2 @ 1'	12/02/22	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	522
NW-3 @ 1'	12/02/22	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	583
NW-4 @ 1'	12/02/22	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	4,940
WW-1 @ 6"	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	1,000

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL  
 PERMIAN RESOURCES (FORMALLY CENTENNIAL)  
 CARNE ASADA STATE COM 501H 502H  
 LEA COUNTY, NEW MEXICO  
 CDEVID #: 48850

*All concentrations are reported in mg/kg*

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021b						METHOD: SW 8015M				E 300.1
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p -XYLENES	o -XYLENE	TOTAL BTEX	TPH GRO C <sub>6</sub> -C <sub>12</sub>	TPH DRO C <sub>12</sub> -C <sub>28</sub>	TPH ORO C <sub>28</sub> -C <sub>35</sub>	TOTAL TPH C <sub>6</sub> -C <sub>35</sub>	CHLORIDE
WW-2 @ 6"	12/02/22	<0.00111	<0.00111	<0.00111	<0.00222	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	69.3
WW-3 @ 1.5'	12/02/22	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	<b>3050</b>
WW-4 @ 1.5'	12/02/22	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	29.2
WW-5 @ 1.5'	12/02/22	<0.00115	<0.00115	<0.00115	<0.00230	<0.00115	<0.00230	<28.7	<28.7	<28.7	<28.7	283
WW-6 @ 1'	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	48.2
WW-7 @ 1'	12/02/22	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	19.8
EW-1 @ 6"	12/02/22	<0.00109	<0.00109	<0.00109	<0.00217	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	<b>867</b>
EW-2 @ 1'	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	<b>896</b>
EW-3 @ 1'	12/02/22	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	215
EW-4 @ 1'	12/02/22	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	152
SW-1 @ 1.5'	12/02/22	<0.00118	<0.00118	<0.00118	<0.00235	<0.00118	<0.00235	<29.4	<29.4	<29.4	<29.4	28.1
SW-2 @ 1.5'	12/02/22	<0.00114	<0.00114	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	30.0

Yellow Highlighted and Bold Indicates Analyte above NMOCD Standards

**TABLE 2**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL NTG RESULTS**  
**PERMIAN RESOURCES (FORMALLY CENTENNIAL)**  
**CARNE ASADA STATE COM 501H 502H**  
**LEA COUNTY, NEW MEXICO**  
**CDEVID #: 48850**

*All concentrations are reported in mg/kg*

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021b					METHOD: SW 8015M				E 300.1	
		BENZENE	TOLUENE	ETHYL-BENZENE	XYLENE TOTAL	TOTAL BTEX	TPH GRO C <sub>6</sub> -C <sub>12</sub>	TPH DRO C <sub>12</sub> -C <sub>28</sub>	TPH ORO C <sub>28</sub> -C <sub>35</sub>	TOTAL TPH C <sub>6</sub> -C <sub>35</sub>	CHLORIDE	
<b>NMOCD Limits</b>		<b>10</b>					<b>50</b>				<b>100</b>	<b>600</b>
<b>Test Points</b>												
TP-1 @ 6"	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0	
TP-1 @ 1'	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112	
TP-1 @ 2'	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0	
TP-2 @ 6"	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352	
TP-2 @ 1'	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0	
TP-2 @ 2'	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0	
TP-3 @ 6"	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>848</b>	
TP-3 @ 1'	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112	
TP-3 @ 2'	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0	
TP-4 @ 6"	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0	
TP-4 @ 1'	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0	
TP-4 @ 2'	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0	
TP-5 @ 6"	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	560	
TP-5 @ 1'	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160	
TP-5 @ 2'	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176	
TP- 6 @ 6"	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176	
TP-6 @ 1'	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208	
TP-6 @ 2'	05/03/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0	

Yellow Highlighted and Bold Indicates Analyte above NMOCD Standards

**Table 3  
Permian Resources  
Carne Asada State 501H 502H (Section 1)  
Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
BH-2	2/13/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
BH-3	2/13/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
WW-6	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
WW-7	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
WW-9	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
WW-10	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
WW-12	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
EW-5	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
EW-6	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
EW-7	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
EW-8	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
EW-9	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
EW-11	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480.0
EW-12	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240.0
<b>Regulatory Criteria<sup>A</sup></b>			<b>1,000 mg/kg</b>		<b>2,500 mg/kg</b>	<b>10 mg/kg</b>					<b>50 mg/kg</b>	<b>10,000 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

(BH) Bottomhole

(EW) East-Wall

(WW) West-Wall

**Table 3**  
**Permian Resources**  
**Carne Asada State 501H 502H (Section 2)**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
BH-2	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	864
	"	2.5	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	3.0	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	-
BH-5	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
	"	2.5	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	-
	"	3.0	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	-
BH-9	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	2.5	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	-
	"	3.0	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	-
BH-10	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	2.5	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	-
	"	3.0	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	-
BH-12	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,020
	"	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
	"	3.0	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	-
BH-14	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	2.5	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	-
	"	3.0	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	-
BH-15	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
	"	2.5	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	-
	"	3.0	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	-
BH-16	2/13/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,160
	"	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
	"	3.0	-	-	-	-	<0.050	<0.050	<0.050	<0.150	<0.300	-
NW-1	2/13/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
NW-4	2/13/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
EW-1	2/13/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
EW-2	2/13/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
WW-1	2/13/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
WW-3	2/13/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
<b>Regulatory Criteria<sup>A</sup></b>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed  
<sup>A</sup> - Table 1 - 19.15.29 NMAC  
 mg/kg - milligram per kilogram  
 TPH- Total Petroleum Hydrocarbons  
 ft-feet  
 (BH) Bottomhole  
 (NW) North-Wall  
 (EW) East-Wall  
 (WW) West-Wall  
 Removed

**Table 4**  
**Permian Resources**  
**Carne Asada State 501H 502H**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-2	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-3	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-4	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-5	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-6	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-7	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-8	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-9	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-10	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-11	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-12	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-13	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-14	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS-15	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-16	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-17	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-18	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-19	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-20	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-21	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-22	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS-23	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-24	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-25	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-26	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-27	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-28	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-29	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-30	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-31	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-32	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>Regulatory Criteria<sup>a</sup></b>			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg	10,000 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 4**  
**Permian Resources**  
**Carne Asada State 501H 502H**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-33	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-34	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-35	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-36	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-37	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-38	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	752
	3/8/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-39	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	640
	3/8/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-40	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	720
	3/8/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-41	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-42	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-43	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-44	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-45	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-46	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-47	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-48	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-49	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-50	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-51	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-52	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-53	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
CS-54	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
CS-55	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-56	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	720
	3/8/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-57	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	656
	3/8/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-58	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-59	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-60	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-61	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-62	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-63	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-64	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
CS-65	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
Regulatory Criteria <sup>A</sup>			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg	10,000 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 4**  
**Permian Resources**  
**Carne Asada State 501H 502H**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-66	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
CS-67	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-68	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-69	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-70	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-71	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-72	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-73	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-74	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-75	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-76	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-77	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-78	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-79	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-80	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-81	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-82	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-83	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-84	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-85	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-86	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-87	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-88	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-89	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-90	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-91	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-92	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-93	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-94	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-95	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-96	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-97	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
Regulatory Criteria <sup>a</sup>			1,000 mg/kg				2,500 mg/kg	10 mg/kg			50 mg/kg	10,000 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 4**  
**Permian Resources**  
**Carne Asada State 501H 502H**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-98	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-99	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
CS-100	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-101	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-102	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-103	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-104	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-105	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-106	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-107	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-108	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-109	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-110	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-111	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-112	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-113	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	704
	3/8/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-114	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	752
	3/8/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-115	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	656
	3/8/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-116	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-117	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-118	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-119	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-120	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-121	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-122	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-123	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-124	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-125	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-126	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-127	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-128	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-129	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-130	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
Regulatory Criteria <sup>A</sup>			1,000 mg/kg			2,500 mg/kg		10 mg/kg			50 mg/kg	10,000 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 4**  
**Permian Resources**  
**Carne Asada State 501H 502H**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-131	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-132	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-133	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-134	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-135	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-136	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-137	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-138	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-139	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-140	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS-141	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-142	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-143	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-144	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-145	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-146	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-147	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-148	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-149	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-150	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-151	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-152	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-153	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-154	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-155	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-156	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-157	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-158	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-159	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-160	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-161	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-162	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-163	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
Regulatory Criteria <sup>A</sup>			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg	10,000 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 4**  
**Permian Resources**  
**Carne Asada State 501H 502H**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-164	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-165	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-166	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-167	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
CS-168	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
CS-169	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
CS-170	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-171	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-172	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-173	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-174	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-175	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-176	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-177	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-178	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-179	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-180	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-181	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-182	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-183	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-184	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS-185	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-186	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-187	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-188	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-189	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-190	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-191	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-192	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-193	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-194	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-195	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-196	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
Regulatory Criteria <sup>A</sup>			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg	10,000 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 4**  
**Permian Resources**  
**Carne Asada State 501H 502H**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-197	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	592
CS-198	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	60.8
CS-199	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	592
CS-200	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-201	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-202	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-203	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-204	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-205	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-206	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	656
	3/8/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-207	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-208	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-209	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	624
	3/8/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-210	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	640
	3/8/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-211	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	688
	3/8/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-212	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-213	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-214	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-215	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-216	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-217	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
CS-218	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-219	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS-220	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-221	2/28/2024	1.5	<10.0	10.5	<10.0	10.5	<0.050	<0.050	<0.050	<0.150	<0.300	448
CS-222	2/28/2024	1.5	<10.0	10.0	<10.0	10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
CS-223	2/28/2024	1.5	<10.0	83.6	55.4	139	<0.050	<0.050	<0.050	<0.150	<0.300	432
	3/8/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-224	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-225	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-226	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-227	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-228	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-229	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
Regulatory Criteria <sup>A</sup>			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg	10,000 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 4**  
**Permian Resources**  
**Carne Asada State 501H 502H**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			GRO	DRO	MRO	Total							
CS-230	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288	
CS-231	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176	
CS-232	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160	
CS-233	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208	
CS-234	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208	
CS-235	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176	
CS-236	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160	
CS-237	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176	
CS-238	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144	
CS-239	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288	
CS-240	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304	
CS-241	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0	
CS-242	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480	
CS-243	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	624	
	3/8/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0	
CS-244	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	672	
	3/8/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144	
CS-245	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	608	
	3/8/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0	
CS-246	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464	
CS-247	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432	
CS-248	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432	
CS-249	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	672	
	3/8/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336	
CS-250	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	752	
	3/8/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176	
CS-251	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	704	
	3/8/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	864	
	3/22/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0	
CS-252	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	800	
	3/8/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	576	
CS-253	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	736	
	3/8/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240	
CS-254	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	720	
	3/8/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240	
CS-255	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144	
CS-256	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128	
CS-257	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0	
CS-258	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128	
CS-259	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0	
CS-260	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112	
CS-261	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416	
CS-262	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496	
Regulatory Criteria <sup>A</sup>			1,000 mg/kg				2,500 mg/kg		10 mg/kg		50 mg/kg		10,000 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 4**  
**Permian Resources**  
**Carne Asada State 501H 502H**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-263	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-264	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-265	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-266	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-267	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-268	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-269	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-270	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-271	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-272	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-273	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-274	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-275	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-276	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-277	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS-278	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-279	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-280	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-281	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
CS-282	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
CS-283	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
CS-284	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-285	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-286	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-287	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-288	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
CS-289	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
CS-290	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-291	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-292	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-293	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-294	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-295	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
<b>Regulatory Criteria<sup>A</sup></b>			<b>1,000 mg/kg</b>				<b>2,500 mg/kg</b>	<b>10 mg/kg</b>			<b>50 mg/kg</b>	<b>10,000 mg/kg</b>

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

**Table 4  
Permian Resources  
Carne Asada State 501H 502H  
Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-2	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
SW-3	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-4	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-5	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-6	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-7	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-8	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-9	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
SW-10	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-11	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-12	2/28/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
SW-13	2/28/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-14	2/28/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-15	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-16	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-17	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-18	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-19	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-20	2/28/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-21	2/28/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-22	2/28/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-23	2/28/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-24	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
<i>Regulatory Criteria<sup>A</sup></i>			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg	10,000 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 4**  
**Permian Resources**  
**Carne Asada State 501H 502H**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-25	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	640
	3/8/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-26	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
SW-27	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-28	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-29	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-30	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-31	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-32	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-33	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-34	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-35	2/28/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-36	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-37	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
SW-38	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
SW-39	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-40	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-41	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
SW-42	2/28/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-43	2/28/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
SW-44	2/28/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-45	2/28/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-46	2/28/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
SW-47	2/28/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-48	2/28/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
<b>Regulatory Criteria<sup>A</sup></b>			<b>1,000 mg/kg</b>		<b>2,500 mg/kg</b>		<b>10 mg/kg</b>				<b>50 mg/kg</b>	<b>10,000 mg/kg</b>

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall Sample

Removed

## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

## Permian Resources

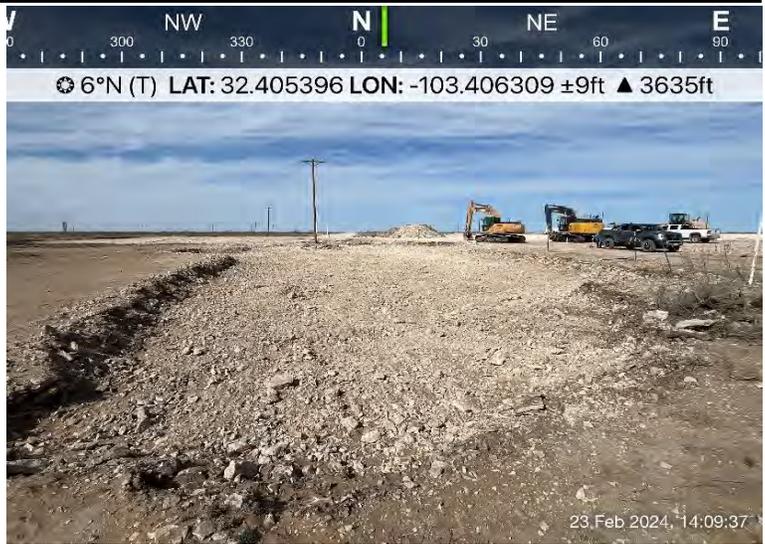
### Photograph No. 1

**Facility:** Carne Asada SC 501/502H

**County:** Lea County, New Mexico

**Description:**

View North, area of CS-1 through CS-100.



### Photograph No. 2

**Facility:** Carne Asada SC 501/502H

**County:** Lea County, New Mexico

**Description:**

View Northeast, area of CS-98 through CS-160.



### Photograph No. 3

**Facility:** Carne Asada SC 501/502H

**County:** Lea County, New Mexico

**Description:**

View North, area of CS-155 through CS-200.



# PHOTOGRAPHIC LOG

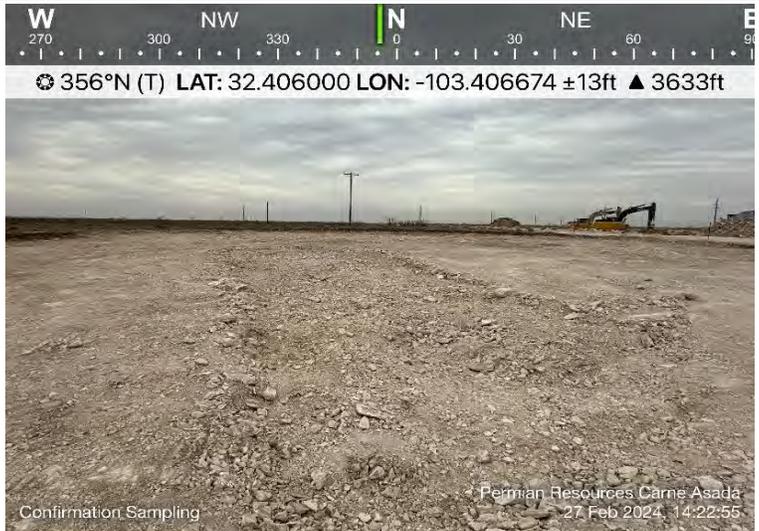
## Permian Resources

### Photograph No. 4

**Facility:** Carne Asada SC 501/502H

**County:** Lea County, New Mexico

**Description:**  
View North, area of CS-200 through CS-245.



### Photograph No. 5

**Facility:** Carne Asada SC 501/502H

**County:** Lea County, New Mexico

**Description:**  
View South, area of CS-246 through CS-295.



### Photograph No. 6

**Facility:** Carne Asada SC 501/502H

**County:** Lea County, New Mexico

**Description:**  
View Northwest, area of CS-246 through CS-295.



# 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	nAPP2222056421
District RP	
Facility ID	
Application ID	

### Release Notification

#### Responsible Party

Responsible Party: Centennial Resource Production, Inc	OGRID: 372165
Contact Name: Nikki Mishler	Contact Telephone: 432-634-8722
Contact email: Nikki.Mishler@cdevinc.com	Incident # nAPP2222056421
Contact mailing address: 500 W. Illinois Ave, Suite 500, Midland Texas 79705	

#### Location of Release Source

Latitude 32.40609 \_\_\_\_\_ Longitude -103.40666 \_\_\_\_\_  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name: Margarita 12/Carne Asada SC 501/502H	Site Type: Frac
Date Release Discovered: 08/08/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
D	07	22S	35E	Lea

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

#### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 41	Volume Recovered (bbls) 31
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:  
A closed valve on the frac manifold associated with Margarita frac activities caused high line pressure resulting in the rupture of the lay flat line.  
Based on the approximate square footage of the impacted soil (30,000 sq. ft), an estimated depth of impact ranging from 0.5' to 1.5', accounting for porosity and saturation % of the soil types (sand and clay) and fluid recovery volumes; approximately 41 bbls of produced water was released.



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 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 133136

**CONDITIONS**

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 133136
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	8/11/2022

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

QUESTIONS

Action 317251

**QUESTIONS**

Operator: Permian Resources Operating, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 317251
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2222056421
Incident Name	NAPP2222056421 MARGARITA 12/CARNE ASADA SC 501H/502H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

<b>Location of Release Source</b>	
Site Name	MARGARITA 12/CARNE ASADA SC 501H/502H
Date Release Discovered	08/07/2022
Surface Owner	State

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	61,432
What is the estimated number of samples that will be gathered	333
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/28/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Conner Moehring (432) 813-6823
Please provide any information necessary for navigation to sampling site	From the intersection NM176 and Weaver Rd, Travel W on NM176 for 6.99 miles. Turn L and travel S on CR 32 for 4.10 miles. Turn L onto unnamed leas road and travel E for 1.02 miles. Turn R and travel S for 0.70 miles. Turn L onto unnamed lease road travel E for 0.17 miles. Trun R and travel S on the unnamed lease road for 0.16 and arrive on location.

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

CONDITIONS

Action 317251

**CONDITIONS**

Operator: Permian Resources Operating, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 317251
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
mfloyd	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/26/2024

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

QUESTIONS

Action 320997

**QUESTIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 320997
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2222056421
Incident Name	NAPP2222056421 MARGARITA 12/CARNE ASADA SC 501H/502H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

<b>Location of Release Source</b>	
Site Name	MARGARITA 12/CARNE ASADA SC 501H/502H
Date Release Discovered	08/07/2022
Surface Owner	State

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	4,620
What is the estimated number of samples that will be gathered	21
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/08/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Conner Moehring (432) 813-6823
Please provide any information necessary for navigation to sampling site	Driving Directions – From the intersection NM176 and Weaver Rd, Travel W on NM176 for 6.99 miles. Turn L and travel S on CR 32 for 4.10 miles. Turn L onto unnamed leas road and travel E for 1.02 miles. Turn R and travel S for 0.70 miles. Turn L onto unnamed lease road travel E for 0.17 miles. Trun R and travel S on the unnamed lease road for 0.16 and arrive on location.

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

CONDITIONS  
 Action 320997

**CONDITIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 320997
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
mfloyd	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/6/2024

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

QUESTIONS

Action 324978

**QUESTIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 324978
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2222056421
Incident Name	NAPP2222056421 MARGARITA 12/CARNE ASADA SC 501H/502H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

<b>Location of Release Source</b>	
Site Name	MARGARITA 12/CARNE ASADA SC 501H/502H
Date Release Discovered	08/07/2022
Surface Owner	State

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/22/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Conner Moehring (432) 813-6823
Please provide any information necessary for navigation to sampling site	From the intersection of NM-176 and Weaver Rd, Travel W on NM176 for 6.99 miles. Turn L and travel S on CR 32 for 4.10 miles. Turn L onto unnamed leas road and travel E for 1.02 miles. Turn R and travel S for 0.70 miles. Turn L onto unnamed lease road travel E for 0.17 miles. Turn R and travel S on the unnamed lease road for 0.16 and arrive on location.

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**Santa Fe, NM 87505**

CONDITIONS  
 Action 324978

**CONDITIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 324978
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
mfloyd	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/20/2024

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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: \_\_\_\_\_

## APPENDIX D

CARMONA RESOURCES



### Nearest water well

Permian Resources

#### Legend

- 0.39 Miles
- 0.50 Mile Radius
- 0.79 Miles
- 0.97 Miles
- MARGARITA 12/CARNE ASADA SC 501H/502H (08.07.2022)
- NMSEO Water Well
- USGS Water Well

135' - Drilled 1979

46.63' - Drilled 1996

55' - Drilled 2022

MARGARITA 12/CARNE ASADA SC 501H/502H (08.07.2022)



# LOW Karst

Permian Resources

## Legend

-  Low
-  MARGARITA 12/CARNE ASADA SC 501H/502H (08.07.2022)

MARGARITA 12/CARNE ASADA SC 501H/502H (08.07.2022)



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">CP 01917</a>	CP	LE		3	2	1	07	22S	35E	649614	3587149	626	55		
<a href="#">CP 00593 POD1</a>	CP	LE		4	4	06	22S	35E	650422	3587591*	1179	62			
<a href="#">CP 00604</a>	CP	LE		1	4	4	01	22S	34E	648743	3587666*	1554	135		
<a href="#">CP 00599 POD1</a>	CP	LE		1	1	12	22S	34E	647642	3587147*	2273	62	50	12	
<a href="#">CP 01875 POD3</a>	CP	LE		4	1	1	06	22S	35E	649212	3588790	2312			
<a href="#">CP 01875 POD1</a>	CP	LE		3	1	1	06	22S	35E	649184	3588789	2319			
<a href="#">CP 01875 POD2</a>	CP	LE		2	1	1	06	22S	35E	649206	3588821	2343			
<a href="#">CP 00933</a>	CP	LE		1	1	1	12	22S	34E	647541	3587246*	2397	60		
<a href="#">CP 00934</a>	CP	LE		2	1	2	01	22S	34E	648682	3588822	2536	60	42	18
<a href="#">CP 00380</a>	CP	LE		4	2	11	22S	34E	647245	3586739*	2600	45	30	15	
<a href="#">CP 00596 POD1</a>	CP	LE		4	2	11	22S	34E	647245	3586739*	2600	50			
<a href="#">CP 00751</a>	CP	LE		4	2	11	22S	34E	647245	3586739*	2600		45		
<a href="#">CP 00622</a>	CP	LE		3	4	2	14	22S	34E	647164	3585030*	3084			
<a href="#">CP 01795 POD1</a>	CP	LE		4	2	3	32	21S	35E	651258	3589579	3331	101	48	53
<a href="#">CP 00595 POD1</a>	CP	LE		2	2	20	22S	35E	652089	3584000*	3411	96			
<a href="#">CP 01682 POD1</a>	CP	LE		1	2	2	23	22S	34E	647164	3583992	3712	294	42	252

Average Depth to Water: **42 feet**  
 Minimum Depth: **30 feet**  
 Maximum Depth: **50 feet**

Record Count: 16

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

**Easting (X):** 649840

**Northing (Y):** 3586565

**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.



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

<b>1. GENERAL AND WELL LOCATION</b>	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1917			
	WELL OWNER NAME(S) Extex Operating Company				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5065 Westheimer Road, Suite 625				CITY Houston	STATE TX	ZIP 77056	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 24	SECONDS 40.98	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE 103	24	32.32	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE NE NW Sec. 07 T22S R35E, NMPM								
<b>2. DRILLING &amp; CASING INFORMATION</b>	LICENSE NO. 1249	NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.			
	DRILLING STARTED 9/6/2022	DRILLING ENDED 9/6/2022	DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) n/a			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 9/13/2022		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	6.5"	Soil Boring	--	--	--	--
<b>3. ANNULAR MATERIAL</b>	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. CP-01917	POD NO. Pod 1	TRN NO. 732843
LOCATION 22S. 35E. 07 321	WELL TAG ID NO.	PAGE 1 OF 2

OSE DJT SEP 21 2022 PM 1:22



Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER

Trn Nbr: 732843  
File Nbr: CP 01917  
Well File Nbr: CP 01917

Oct. 03, 2022

ROBERT ECKOLS  
EXTEX OPERATING COMPANY  
5065 WESTHEIMER RD SUITE 625  
HOUSTON, TX 77056

Greetings:

The above numbered permit was issued in your name on 08/25/2022.

The Well Record was received in this office on 09/21/2022, stating that it had been completed on 09/06/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 08/25/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in cursive script that reads "Vanessa Clements".

Vanessa Clements  
(575) 622-6521

drywell

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	? Metho meas
						Groundwater	New Mexico	GO

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

### Search Results -- 1 sites found

**Agency code** = usgs

**site\_no list** =

- 322446103240501

**Minimum number of levels** = 1

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

### USGS 322446103240501 22S.35E.06.44114

Lea County, New Mexico

Latitude 32°25'00", Longitude 103°24'06" NAD27

Land-surface elevation 3,598.00 feet above NGVD29

The depth of the well is 62 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho measi
1968-06-10		D	62610	3548.73	NGVD29	P	Z	A
1968-06-10		D	62611	3550.32	NAVD88	P	Z	A
1968-06-10		D	72019	49.27		P	Z	A
1970-12-04		D	62610	3548.97	NGVD29	1	Z	A
1970-12-04		D	62611	3550.56	NAVD88	1	Z	A
1970-12-04		D	72019	49.03		1	Z	A
1976-12-16		D	62610	3549.80	NGVD29	1	Z	A
1976-12-16		D	62611	3551.39	NAVD88	1	Z	A
1976-12-16		D	72019	48.20		1	Z	A
1981-03-18		D	62610	3550.11	NGVD29	1	Z	A
1981-03-18		D	62611	3551.70	NAVD88	1	Z	A
1981-03-18		D	72019	47.89		1	Z	A
1986-03-21		D	62610	3550.75	NGVD29	1	Z	A
1986-03-21		D	62611	3552.34	NAVD88	1	Z	A
1986-03-21		D	72019	47.25		1	Z	A
1991-05-03		D	62610	3551.36	NGVD29	1	Z	A
1991-05-03		D	62611	3552.95	NAVD88	1	Z	A
1991-05-03		D	72019	46.64		1	Z	A
1996-02-16		D	62610	3551.37	NGVD29	1	S	A
1996-02-16		D	62611	3552.96	NAVD88	1	S	A
1996-02-16		D	72019	46.63		1	S	A

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

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	? Metho meas
Method of measurement			Z	Other.				
Measuring agency				Not determined				
Source of measurement				Not determined				
Water-level approval status			A	Approved for publication -- Processing and review completed.				

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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: 2024-02-22 09:27:26 EST

0.34 0.31 nadww02

Revised June 1972

STATE ENGINEER OFFICE  
WELL RECORD

SANTA EE  
47475

Section 1. GENERAL INFORMATION

(A) Owner of well Getty Oil Co. Owner's Well No. Getty St. # 1  
Street or Post Office Address P.O. Box 730  
City and State Hobbs, New Mexico 88240

Well was drilled under Permit No. CP-604 and is located in the:

a.  $\frac{1}{4}$  NW  $\frac{1}{4}$  SE  $\frac{1}{4}$  SE of Section 1 Township 22S Range 34E N.M.P.M.  
b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_  
c. Lot No. \_\_\_\_\_ of Block No. \_\_\_\_\_ of the \_\_\_\_\_  
Subdivision, recorded in Lea County.  
d. X= \_\_\_\_\_ feet, Y= \_\_\_\_\_ feet, N.M. Coordinate System \_\_\_\_\_ Zone in the \_\_\_\_\_ Grant.

(B) Drilling Contractor Abbott Bros. License No. WD-46  
Address P.O. Box 637, Hobbs, New Mexico 88240

Drilling Began 7/10/79 Completed 7/12/79 Type tools Cable Size of hole 8 in.

Elevation of land surface or \_\_\_\_\_ at well is \_\_\_\_\_ ft. Total depth of well 135 ft.

Completed well is  shallow  artesian. Depth to water upon completion of well Dry Hole ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
Dry Hole				

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
No casing								

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor \_\_\_\_\_  
Address \_\_\_\_\_  
Plugging Method \_\_\_\_\_  
Date Well Plugged \_\_\_\_\_  
Plugging approved by: \_\_\_\_\_  
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			50
2			
3			
4			

STATE ENGINEER  
SANTA FE, N.M.  
80 APR 23 PM 1

FOR USE OF STATE ENGINEER ONLY

Date Received: August 7, 1979

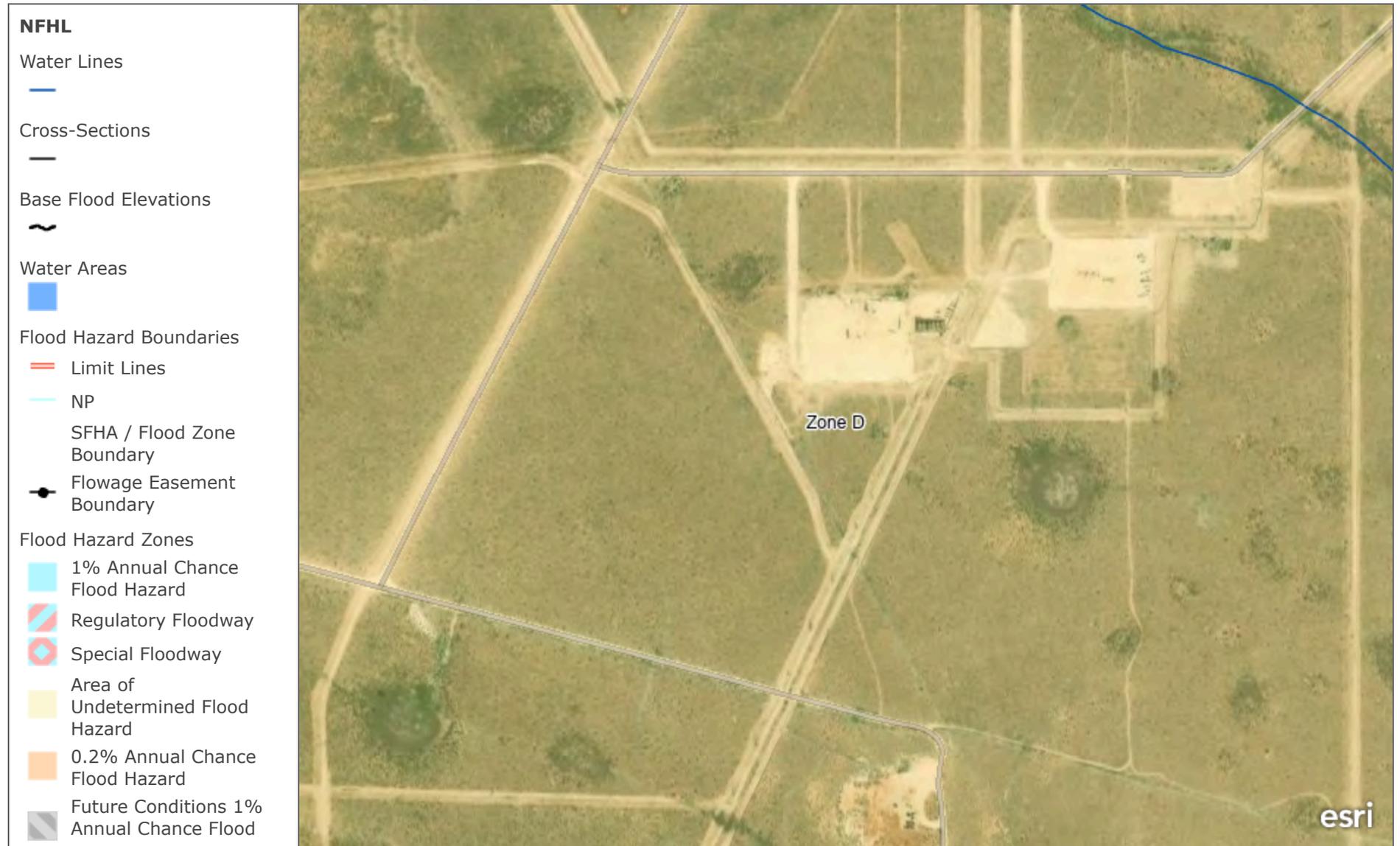
Dry Hole Quad \_\_\_\_\_ FWL \_\_\_\_\_ FSL \_\_\_\_\_

File No. CP-604 Use OWD Location No. 22.34.1.41411

Well was rubble sealed and cement in top. Per phone conversation with  
Hole B- \_\_\_\_\_ /11/79



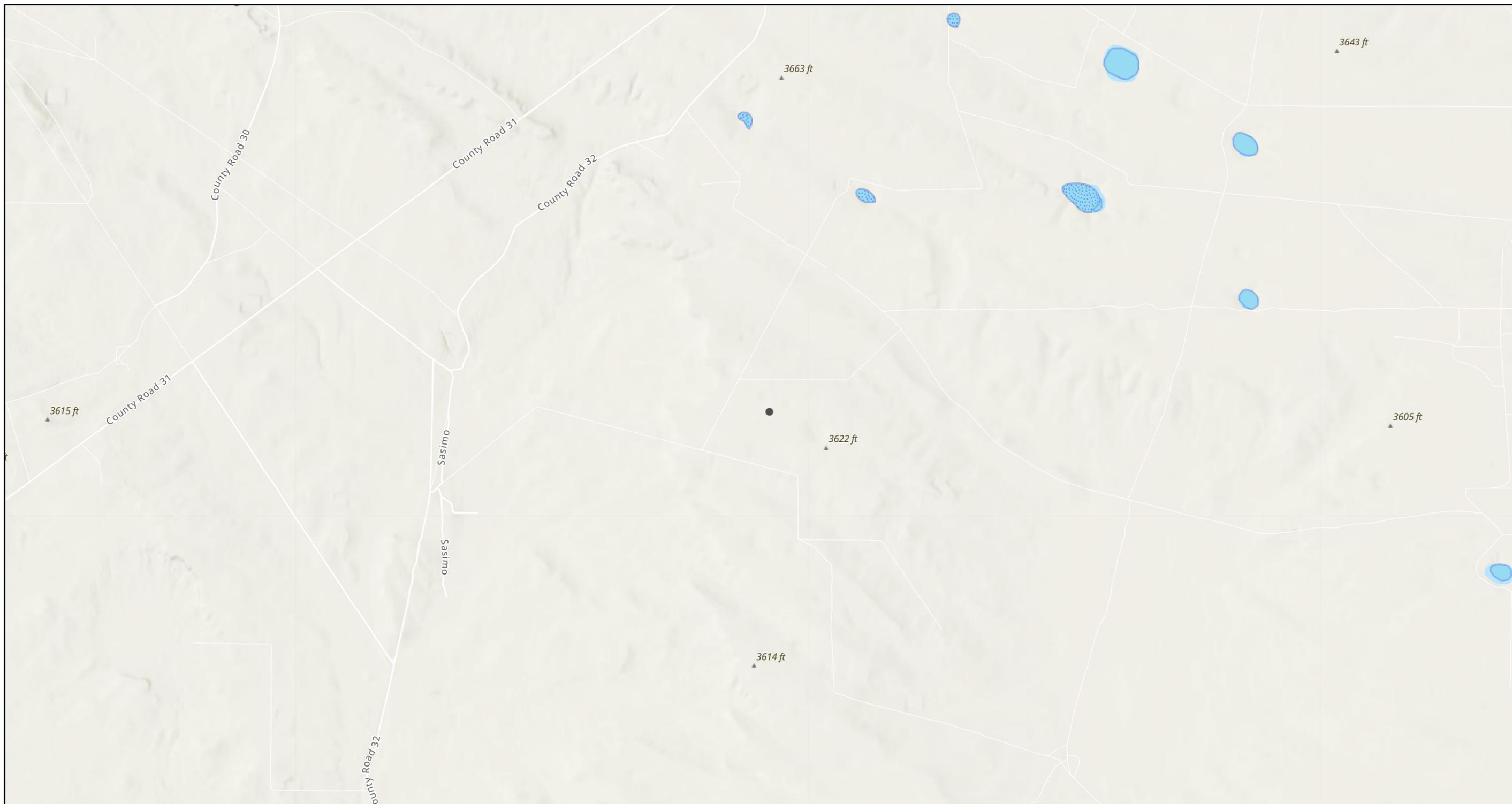
# FEMA National Flood Hazard Layer (NFHL)



FEMA flood layer

Maxar | Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

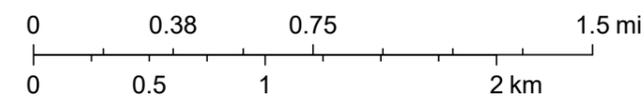
# MARGARITA 12/CARNE ASADA SC 501H/502H (08.07.2022)



2/22/2024, 8:15:58 AM

- OSW Water Bodies
- OSE Probable Playas

1:36,112



Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE

# APPENDIX

CARMONA RESOURCES





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

---

February 14, 2024

MIKE CARMONA

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CARNE ASADA STATE 501H 502H ( SECTION 1 )

Enclosed are the results of analyses for samples received by the laboratory on 02/13/24 15:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: BH - 2 (2.5') (H240681-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/14/2024	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	02/13/2024	ND	203	101	200	2.83	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	208	104	200	4.98	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: BH - 3 (2.5') (H240681-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/14/2024	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	02/13/2024	ND	203	101	200	2.83	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	208	104	200	4.98	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 57.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: WW - 6 (2') (H240681-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/14/2024	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	02/13/2024	ND	230	115	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	231	116	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 62.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: WW - 7 (2') (H240681-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/14/2024	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	02/13/2024	ND	230	115	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	231	116	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 57.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 51.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: WW - 9 (2') (H240681-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/14/2024	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	02/14/2024	ND	230	115	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/14/2024	ND	231	116	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/14/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: WW - 10 (2') (H240681-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/14/2024	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	02/13/2024	ND	230	115	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	231	116	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 65.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: WW - 12 (H240681-11)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2024	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	02/13/2024	ND	230	115	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	231	116	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: EW - 5 (2') (H240681-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/14/2024	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	02/13/2024	ND	230	115	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	231	116	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 64.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: EW - 6 (2') (H240681-13)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/14/2024	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	02/14/2024	ND	230	115	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/14/2024	ND	231	116	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/14/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: EW - 7 (2') (H240681-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2024	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	02/13/2024	ND	230	115	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	231	116	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: EW - 8 (2') (H240681-15)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2024	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	02/13/2024	ND	230	115	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	231	116	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: EW - 9 (2') (H240681-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/14/2024	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	02/13/2024	ND	230	115	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	231	116	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: EW - 11 (2') (H240681-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>480</b>	16.0	02/14/2024	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	02/13/2024	ND	230	115	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	231	116	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/13/2024	Sampling Date:	02/13/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

**Sample ID: EW - 12 (2') (H240681-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	1.89	94.7	2.00	3.84	
Toluene*	<0.050	0.050	02/13/2024	ND	1.99	99.6	2.00	3.61	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	1.98	99.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	5.99	99.9	6.00	3.43	
Total BTEX	<0.300	0.300	02/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/14/2024	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	02/13/2024	ND	230	115	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	231	116	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.5 % 49.1-148

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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
A-01 CCV failed marginally high for GRO. GRO not detected in associated samples
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: H240681

Page 1 of 2

Project Manager: Mike Carmona	Bill to: (if different) Montgomery Floyd
Company Name: Carmona Resources	Company Name: montgomery.floyd@permianres.com
Address: 310 W Wall St Ste 500	Address: 300 N Marienfeld St Ste 1000
City, State ZIP: Midland, TX 79701	City, State ZIP: Midland, TX 79701
Phone: 432-813-1992	Phone: <u>432-425-8321</u>

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

Project Name: Carne Asada State 501H 502H (Section 1)		Turn-Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes						
Project Number: 2246	Project Location: Lea County, New Mexico	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date: 24 HR													None: NO	DI Water: H <sub>2</sub> O				
Sampler's Name: MM	PO #:	SAMPLE RECEIPT		Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500												HOLD		Cool: Cool	MeOH: Me			
Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	HCL: HC	HNO <sub>3</sub> : HN																				
Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: <u>140</u>	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na																				
Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor: <u>1.12</u>	H <sub>3</sub> PO <sub>4</sub> : HP	NaHSO <sub>4</sub> : NABIS																				
Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading: <u>41.2</u>	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	Zn Acetate+NaOH: Zn																				
Total Containers:	Corrected Temperature:	NaOH+Ascorbic Acid: SAPC		Sample Comments																			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	
BH-2 (2.5')	2/13/2024		X		G	1	X	X	X														
BH-2 (3')	2/13/2024		X		G	1																	
BH-2 (3.5')	2/13/2024		X		G	1																X	
BH-3 (2.5')	2/13/2024		X		G	1	X	X	X													X	
BH-3 (3')	2/13/2024		X		G	1																	
BH-3 (3.5')	2/13/2024		X		G	1																X	
WW-6 (2')	2/13/2024		X		G	1	X	X	X													X	
WW-7 (2')	2/13/2024		X		G	1	X	X	X														
WW-9 (2')	2/13/2024		X		G	1	X	X	X														
WW-10 (2')	2/13/2024		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
	2/13/24 1502		2/13/24 1502





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

February 16, 2024

MIKE CARMONA  
CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND, TX 79701

RE: CARNE ASADA STATE 501H 502H ( SECTION 2 )

Enclosed are the results of analyses for samples received by the laboratory on 02/13/24 15:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B      Total Coliform and E. coli (Colilert MMO-MUG)  
Method EPA 524.2      Regulated VOCs and Total Trihalomethanes (TTHM)  
Method EPA 552.2      Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH - 2 ( 2' )	H240680-01	Soil	13-Feb-24 00:00	13-Feb-24 15:02
BH - 2 ( 2.5' )	H240680-02	Soil	13-Feb-24 00:00	13-Feb-24 15:02
BH - 5 ( 2' )	H240680-04	Soil	13-Feb-24 00:00	13-Feb-24 15:02
BH - 9 ( 2' )	H240680-07	Soil	13-Feb-24 00:00	13-Feb-24 15:02
BH - 10 ( 2' )	H240680-10	Soil	13-Feb-24 00:00	13-Feb-24 15:02
BH - 12 ( 2' )	H240680-13	Soil	13-Feb-24 00:00	13-Feb-24 15:02
BH - 12 ( 2.5' )	H240680-14	Soil	13-Feb-24 00:00	13-Feb-24 15:02
BH - 14 ( 2' )	H240680-16	Soil	13-Feb-24 00:00	13-Feb-24 15:02
BH - 15 ( 2' )	H240680-19	Soil	13-Feb-24 00:00	13-Feb-24 15:02
BH - 16 ( 2' )	H240680-22	Soil	13-Feb-24 00:00	13-Feb-24 15:02
BH - 16 ( 2.5' )	H240680-23	Soil	13-Feb-24 00:00	13-Feb-24 15:02
NW - 1 ( 1.5' )	H240680-25	Soil	13-Feb-24 00:00	13-Feb-24 15:02
NW - 4 ( 1.5' )	H240680-26	Soil	13-Feb-24 00:00	13-Feb-24 15:02
EW - 1 ( 1.5' )	H240680-27	Soil	13-Feb-24 00:00	13-Feb-24 15:02
EW - 2 ( 1.5' )	H240680-28	Soil	13-Feb-24 00:00	13-Feb-24 15:02
WW - 1 ( 1.5' )	H240680-29	Soil	13-Feb-24 00:00	13-Feb-24 15:02
WW - 3 ( 1.5' )	H240680-30	Soil	13-Feb-24 00:00	13-Feb-24 15:02

02/16/24 - Client added chloride to -02 (see COC). This is the revised report and will replace the one sent on 02/14/24.

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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
--	--	------------------------------

**BH - 2 ( 2' )  
H240680-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>864</b>		16.0	mg/kg	4	4021521	HM	15-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021322	JH	14-Feb-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4021322	JH	14-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	

Surrogate: 1-Chlorooctane			71.0 %	48.2-134		4021427	ms	14-Feb-24	8015B	
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Surrogate: 1-Chlorooctadecane			69.0 %	49.1-148		4021427	ms	14-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**BH - 2 ( 2.5' )  
H240680-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	4021629	AC	16-Feb-24	4500-Cl-B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
--	--	------------------------------

**BH - 5 ( 2' )  
H240680-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	4021521	HM	15-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021322	JH	14-Feb-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4021322	JH	14-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	

Surrogate: 1-Chlorooctane			85.1 %	48.2-134		4021427	ms	14-Feb-24	8015B	
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Surrogate: 1-Chlorooctadecane			84.7 %	49.1-148		4021427	ms	14-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
--	--	------------------------------

**BH - 9 ( 2' )  
H240680-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4021521	HM	15-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021322	JH	14-Feb-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4021322	JH	14-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	

Surrogate: 1-Chlorooctane			55.8 %	48.2-134		4021427	ms	14-Feb-24	8015B	
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Surrogate: 1-Chlorooctadecane			54.7 %	49.1-148		4021427	ms	14-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**BH - 10 ( 2' )  
H240680-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	4021521	HM	15-Feb-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021322	JH	14-Feb-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4021322	JH	14-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	

Surrogate: 1-Chlorooctane			84.0 %	48.2-134		4021427	ms	14-Feb-24	8015B	
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Surrogate: 1-Chlorooctadecane			84.2 %	49.1-148		4021427	ms	14-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( ) Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**BH - 12 ( 2' )  
H240680-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	1020		16.0	mg/kg	4	4021521	HM	15-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021322	JH	14-Feb-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4021322	JH	14-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	

Surrogate: 1-Chlorooctane			87.5 %	48.2-134		4021427	ms	14-Feb-24	8015B	
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Surrogate: 1-Chlorooctadecane			88.6 %	49.1-148		4021427	ms	14-Feb-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( ) Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**BH - 12 ( 2.5' )**

**H240680-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>400</b>		16.0	mg/kg	4	4021521	HM	15-Feb-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021322	JH	14-Feb-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		4021322	JH	14-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			87.2 %	48.2-134		4021427	ms	14-Feb-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.4 %	49.1-148		4021427	ms	14-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**BH - 14 ( 2' )  
H240680-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	4021521	HM	15-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021322	JH	14-Feb-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4021322	JH	14-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021427	ms	14-Feb-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.1 %	48.2-134		4021427	ms	14-Feb-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.6 %	49.1-148		4021427	ms	14-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( ) Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**BH - 15 ( 2' )  
H240680-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	288		16.0	mg/kg	4	4021521	HM	15-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021322	JH	14-Feb-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4021322	JH	14-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021428	MS	14-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021428	MS	14-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021428	MS	14-Feb-24	8015B	

Surrogate: 1-Chlorooctane			67.9 %	48.2-134		4021428	MS	14-Feb-24	8015B	
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Surrogate: 1-Chlorooctadecane			77.2 %	49.1-148		4021428	MS	14-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( ) Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**BH - 16 ( 2' )  
H240680-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>2160</b>		16.0	mg/kg	4	4021521	HM	15-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021322	JH	14-Feb-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		4021322	JH	14-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021428	MS	14-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021428	MS	14-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021428	MS	14-Feb-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.9 %	48.2-134		4021428	MS	14-Feb-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.3 %	49.1-148		4021428	MS	14-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**BH - 16 ( 2.5' )**

**H240680-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	368		16.0	mg/kg	4	4021521	HM	15-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021322	JH	14-Feb-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4021322	JH	14-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021428	MS	14-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021428	MS	14-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021428	MS	14-Feb-24	8015B	

Surrogate: 1-Chlorooctane			78.5 %	48.2-134		4021428	MS	14-Feb-24	8015B	
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Surrogate: 1-Chlorooctadecane			93.0 %	49.1-148		4021428	MS	14-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( ) Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**NW - 1 ( 1.5' )**

**H240680-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	4021405	AC	14-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021322	JH	14-Feb-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4021322	JH	14-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.4 %	48.2-134		4021323	ms	13-Feb-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.2 %	49.1-148		4021323	ms	13-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( ) Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**NW - 4 ( 1.5' )**

**H240680-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	4021405	AC	14-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021322	JH	14-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021322	JH	14-Feb-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		4021322	JH	14-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.4 %	48.2-134		4021323	ms	13-Feb-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.4 %	49.1-148		4021323	ms	13-Feb-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( ) Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**EW - 1 ( 1.5' )**

**H240680-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>176</b>		16.0	mg/kg	4	4021405	AC	14-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021331	JH	13-Feb-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	71.5-134		4021331	JH	13-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.1 %	48.2-134		4021323	ms	13-Feb-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			74.8 %	49.1-148		4021323	ms	13-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( ) Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**EW - 2 ( 1.5' )**

**H240680-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	4021405	AC	14-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021331	JH	13-Feb-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			115 %	71.5-134		4021331	JH	13-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	

Surrogate: 1-Chlorooctane			74.9 %	48.2-134		4021323	ms	13-Feb-24	8015B	
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Surrogate: 1-Chlorooctadecane			77.4 %	49.1-148		4021323	ms	13-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**WW - 1 ( 1.5' )**

**H240680-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4021405	AC	14-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021331	JH	13-Feb-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %	71.5-134		4021331	JH	13-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	

Surrogate: 1-Chlorooctane			56.3 %	48.2-134		4021323	ms	13-Feb-24	8015B	
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Surrogate: 1-Chlorooctadecane			55.5 %	49.1-148		4021323	ms	13-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( ) Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**WW - 3 ( 1.5' )**

**H240680-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	4021412	HM	14-Feb-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4021331	JH	13-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4021331	JH	13-Feb-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			114 %	71.5-134		4021331	JH	13-Feb-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4021323	ms	13-Feb-24	8015B	

Surrogate: 1-Chlorooctane			81.9 %	48.2-134		4021323	ms	13-Feb-24	8015B	
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Surrogate: 1-Chlorooctadecane			80.8 %	49.1-148		4021323	ms	13-Feb-24	8015B	
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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4021405 - 1:4 DI Water**

<b>Blank (4021405-BLK1)</b>		Prepared & Analyzed: 14-Feb-24								
Chloride	ND	16.0	mg/kg							
<b>LCS (4021405-BS1)</b>		Prepared & Analyzed: 14-Feb-24								
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (4021405-BSD1)</b>		Prepared & Analyzed: 14-Feb-24								
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

**Batch 4021412 - 1:4 DI Water**

<b>Blank (4021412-BLK1)</b>		Prepared & Analyzed: 14-Feb-24								
Chloride	ND	16.0	mg/kg							
<b>LCS (4021412-BS1)</b>		Prepared & Analyzed: 14-Feb-24								
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (4021412-BSD1)</b>		Prepared & Analyzed: 14-Feb-24								
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

**Batch 4021521 - 1:4 DI Water**

<b>Blank (4021521-BLK1)</b>		Prepared & Analyzed: 15-Feb-24								
Chloride	ND	16.0	mg/kg							
<b>LCS (4021521-BS1)</b>		Prepared & Analyzed: 15-Feb-24								
Chloride	432	16.0	mg/kg	400		108	80-120			

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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**Inorganic Compounds - Quality Control  
Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4021521 - 1:4 DI Water**

<b>LCS Dup (4021521-BSD1)</b>				Prepared & Analyzed: 15-Feb-24						
Chloride	464	16.0	mg/kg	400		116	80-120	7.14	20	

**Batch 4021629 - 1:4 DI Water**

<b>Blank (4021629-BLK1)</b>				Prepared & Analyzed: 16-Feb-24						
Chloride	ND	16.0	mg/kg							

<b>LCS (4021629-BS1)</b>				Prepared & Analyzed: 16-Feb-24						
Chloride	448	16.0	mg/kg	400		112	80-120			

<b>LCS Dup (4021629-BSD1)</b>				Prepared & Analyzed: 16-Feb-24						
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	

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**Analytical Results For:**

CARMONA RESOURCES  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701

Project: CARNE ASADA STATE 501H 502H (  
Project Number: 2246  
Project Manager: MIKE CARMONA  
Fax To:

Reported:  
16-Feb-24 16:33

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4021322 - Volatiles****Blank (4021322-BLK1)**

Prepared &amp; Analyzed: 13-Feb-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0526		mg/kg	0.0500		105	71.5-134			

**LCS (4021322-BS1)**

Prepared &amp; Analyzed: 13-Feb-24

Benzene	2.11	0.050	mg/kg	2.00		105	82.8-130			
Toluene	2.11	0.050	mg/kg	2.00		106	86-128			
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	85.9-128			
m,p-Xylene	4.28	0.100	mg/kg	4.00		107	89-129			
o-Xylene	2.07	0.050	mg/kg	2.00		104	86.1-125			
Total Xylenes	6.36	0.150	mg/kg	6.00		106	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0519		mg/kg	0.0500		104	71.5-134			

**LCS Dup (4021322-BSD1)**

Prepared &amp; Analyzed: 13-Feb-24

Benzene	2.18	0.050	mg/kg	2.00		109	82.8-130	3.28	15.8	
Toluene	2.18	0.050	mg/kg	2.00		109	86-128	3.13	15.9	
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	85.9-128	3.01	16	
m,p-Xylene	4.39	0.100	mg/kg	4.00		110	89-129	2.58	16.2	
o-Xylene	2.14	0.050	mg/kg	2.00		107	86.1-125	3.33	16.7	
Total Xylenes	6.54	0.150	mg/kg	6.00		109	88.2-128	2.83	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0519		mg/kg	0.0500		104	71.5-134			

**Batch 4021331 - Volatiles****Blank (4021331-BLK1)**

Prepared &amp; Analyzed: 13-Feb-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4021331 - Volatiles**

**Blank (4021331-BLK1)**

Prepared & Analyzed: 13-Feb-24

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0582		mg/kg	0.0500		116	71.5-134			

**LCS (4021331-BS1)**

Prepared & Analyzed: 13-Feb-24

Benzene	1.89	0.050	mg/kg	2.00		94.7	82.8-130			
Toluene	1.99	0.050	mg/kg	2.00		99.6	86-128			
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.2	85.9-128			
m,p-Xylene	4.02	0.100	mg/kg	4.00		101	89-129			
o-Xylene	1.97	0.050	mg/kg	2.00		98.6	86.1-125			
Total Xylenes	5.99	0.150	mg/kg	6.00		99.9	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0540		mg/kg	0.0500		108	71.5-134			

**LCS Dup (4021331-BSD1)**

Prepared & Analyzed: 13-Feb-24

Benzene	1.97	0.050	mg/kg	2.00		98.4	82.8-130	3.84	15.8	
Toluene	2.06	0.050	mg/kg	2.00		103	86-128	3.61	15.9	
Ethylbenzene	2.05	0.050	mg/kg	2.00		102	85.9-128	3.13	16	
m,p-Xylene	4.16	0.100	mg/kg	4.00		104	89-129	3.39	16.2	
o-Xylene	2.04	0.050	mg/kg	2.00		102	86.1-125	3.50	16.7	
Total Xylenes	6.20	0.150	mg/kg	6.00		103	88.2-128	3.43	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0542		mg/kg	0.0500		108	71.5-134			

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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 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4021323 - General Prep - Organics**

<b>Blank (4021323-BLK1)</b>		Prepared & Analyzed: 13-Feb-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.5		mg/kg	50.0		89.0	48.2-134			
Surrogate: 1-Chlorooctadecane	44.4		mg/kg	50.0		88.8	49.1-148			

<b>LCS (4021323-BS1)</b>		Prepared & Analyzed: 13-Feb-24								
GRO C6-C10	203	10.0	mg/kg	200		101	66.4-123			
DRO >C10-C28	208	10.0	mg/kg	200		104	66.5-118			
Total TPH C6-C28	410	10.0	mg/kg	400		103	77.6-123			
Surrogate: 1-Chlorooctane	45.6		mg/kg	50.0		91.2	48.2-134			
Surrogate: 1-Chlorooctadecane	46.0		mg/kg	50.0		91.9	49.1-148			

<b>LCS Dup (4021323-BSD1)</b>		Prepared & Analyzed: 13-Feb-24								
GRO C6-C10	209	10.0	mg/kg	200		104	66.4-123	2.83	17.7	
DRO >C10-C28	218	10.0	mg/kg	200		109	66.5-118	4.98	21	
Total TPH C6-C28	427	10.0	mg/kg	400		107	77.6-123	3.92	18.5	
Surrogate: 1-Chlorooctane	46.2		mg/kg	50.0		92.4	48.2-134			
Surrogate: 1-Chlorooctadecane	45.8		mg/kg	50.0		91.6	49.1-148			

**Batch 4021427 - General Prep - Organics**

<b>Blank (4021427-BLK1)</b>		Prepared & Analyzed: 14-Feb-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.4		mg/kg	50.0		88.8	48.2-134			
Surrogate: 1-Chlorooctadecane	47.0		mg/kg	50.0		94.0	49.1-148			

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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( ) Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4021427 - General Prep - Organics**

<b>LCS (4021427-BS1)</b>		Prepared & Analyzed: 14-Feb-24								
GRO C6-C10	196	10.0	mg/kg	200		98.2	66.4-123			
DRO >C10-C28	203	10.0	mg/kg	200		102	66.5-118			
Total TPH C6-C28	400	10.0	mg/kg	400		99.9	77.6-123			
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.5	48.2-134			
Surrogate: 1-Chlorooctadecane	47.3		mg/kg	50.0		94.5	49.1-148			

<b>LCS Dup (4021427-BS1)</b>		Prepared & Analyzed: 14-Feb-24								
GRO C6-C10	204	10.0	mg/kg	200		102	66.4-123	3.58	17.7	
DRO >C10-C28	211	10.0	mg/kg	200		106	66.5-118	3.84	21	
Total TPH C6-C28	415	10.0	mg/kg	400		104	77.6-123	3.72	18.5	
Surrogate: 1-Chlorooctane	48.1		mg/kg	50.0		96.1	48.2-134			
Surrogate: 1-Chlorooctadecane	48.7		mg/kg	50.0		97.4	49.1-148			

**Batch 4021428 - General Prep - Organics**

<b>Blank (4021428-BLK1)</b>		Prepared & Analyzed: 14-Feb-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	41.7		mg/kg	50.0		83.4	48.2-134			
Surrogate: 1-Chlorooctadecane	45.9		mg/kg	50.0		91.7	49.1-148			

<b>LCS (4021428-BS1)</b>		Prepared & Analyzed: 14-Feb-24								
GRO C6-C10	180	10.0	mg/kg	200		89.8	66.4-123			
DRO >C10-C28	184	10.0	mg/kg	200		92.0	66.5-118			
Total TPH C6-C28	364	10.0	mg/kg	400		90.9	77.6-123			
Surrogate: 1-Chlorooctane	43.1		mg/kg	50.0		86.2	48.2-134			
Surrogate: 1-Chlorooctadecane	45.0		mg/kg	50.0		90.0	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND TX, 79701	Project: CARNE ASADA STATE 501H 502H ( Project Number: 2246 Project Manager: MIKE CARMONA Fax To:	Reported: 16-Feb-24 16:33
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4021428 - General Prep - Organics**

**LCS Dup (4021428-BSD1)**

Prepared & Analyzed: 14-Feb-24

GRO C6-C10	188	10.0	mg/kg	200		94.0	66.4-123	4.53	17.7	
DRO >C10-C28	194	10.0	mg/kg	200		97.2	66.5-118	5.48	21	
Total TPH C6-C28	382	10.0	mg/kg	400		95.6	77.6-123	5.01	18.5	
Surrogate: 1-Chlorooctane	45.5		mg/kg	50.0		91.1	48.2-134			
Surrogate: 1-Chlorooctadecane	48.3		mg/kg	50.0		96.7	49.1-148			

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager

# Chain of Custody

Work Order No: H240680

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2246	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date:	24 HR													None: NO	DI Water: H <sub>2</sub> O
Project Location:	Lea County, New Mexico			Parameters													Cool: Cool	MeOH: Me		
Sampler's Name:	MM				BTEX 8021B													HCL: HC	HNO <sub>3</sub> : HN	
PO #:				TPH 8015M ( GRO + DRO + MRO)													H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na		
<b>SAMPLE RECEIPT</b>		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:			140													NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:			4.12													Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
BH-2 (2')	2/13/2024		X		G	1	X													
BH-2 (2.5')	2/13/2024		X		G	1														
BH-2 (3')	2/13/2024		X		G	1														X
BH-5 (2')	2/13/2024		X		G	1	X													X
BH-5 (2.5')	2/13/2024		X		G	1														
BH-5 (3')	2/13/2024		X		G	1														X
BH-9 (2')	2/13/2024		X		G	1	X													X
BH-9 (2.5')	2/13/2024		X		G	1														
BH-9 (3')	2/13/2024		X		G	1														X
BH-10 (2')	2/13/2024		X		G	1	X													X

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	2-13-24 1508	<i>[Signature]</i>	

# Chain of Custody

Work Order No: H240680

Page 2 of 3

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:		Turn Around		Pre-Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	Carne Asada State 501H 502H (Section 2)	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date:													None: NO	DI Water: H <sub>2</sub> O	
Project Location:	Lea County, New Mexico			24 HR													Cool: Cool	MeOH: Me		
Sampler's Name:	MM																HCL: HC	HNO <sub>3</sub> : HN		
PO #:																	H <sub>2</sub> S <sub>4</sub> : H <sub>2</sub>	NaOH: Na		
<b>SAMPLE RECEIPT</b>		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:		140													NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:															Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:		4.1°C													Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
BH-10 (2.5')	2/13/2024		X		G	1													X	
BH-10 (3')	2/13/2024		X		G	1													X	
BH-12 (2')	2/13/2024		X		G	1	X													
BH-12 (2.5')	2/13/2024		X		G	1	X													
BH-12 (3')	2/13/2024		X		G	1														X
BH-14 (2')	2/13/2024		X		G	1	X													
BH-14 (2.5')	2/13/2024		X		G	1														X
BH-14 (3')	2/13/2024		X		G	1														X
BH-15 (2')	2/13/2024		X		G	1	X													
BH-15 (2.5')	2/13/2024		X		G	1														X

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	2-13-24 1500	<i>[Signature]</i>	

# Chain of Custody

Work Order No: H240620

Page 3 of 3

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:	Carne Asada State 501H 502H (Section 2)		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	2246		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500 <i>TPH Cl added 9:00 AM</i>												None: NO      DI Water: H <sub>2</sub> O			
Project Location:	Lea County, New Mexico		Due Date:																24 HR		Cool: Cool      MeOH: Me	
Sampler's Name:	MM		Wet Ice:																Yes <input type="checkbox"/> No <input type="checkbox"/>		HCL: HC      HNO <sub>3</sub> : HN	
PO #:			Thermometer ID:		140														H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na			
<b>SAMPLE RECEIPT</b>			Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	H <sub>3</sub> PO <sub>4</sub> : HP		NaHSO <sub>4</sub> : NABIS		HOLD		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>									
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Correction Factor:		4.1e		Zn Acetate+NaOH: Zn		NaOH+Ascorbic Acid: SAPC													
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	Temperature Reading:		4.1e		Sample Comments															
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	Corrected Temperature:																			
Total Containers:			Corrected Temperature:																			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																
BH-15 (3')	2/13/2024		X		G	1																
BH-16 (2')	2/13/2024		X		G	1	X															
BH-16 (2.5')	2/13/2024		X		G	1	X															
BH-16 (3')	2/13/2024		X		G	1	X															
NW-1 (1.5')	2/13/2024		X		G	1	X	X	X													
NW-4 (1.5')	2/13/2024		X		G	1	X	X	X													
EW-1 (1.5')	2/13/2024		X		G	1	X	X	X													
EW-2 (1.5')	2/13/2024		X		G	1	X	X	X													
WW-1 (1.5')	2/13/2024		X		G	1	X	X	X													
WW-3 (1.5')	2/13/2024		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
<i>[Signature]</i>	2-13-24 1502	<i>[Signature]</i>	



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February 29, 2024

MIKE CARMONA

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CARNE ASADA STATE 501H 502H ( SECTION 1 )

Enclosed are the results of analyses for samples received by the laboratory on 02/28/24 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 1 (2.5') (H240995-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.20	110	2.00	0.637	
Toluene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	0.985	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.15	107	2.00	0.781	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.18	103	6.00	0.785	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	208	16.0	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 55.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 50.8 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 2 (2.5') (H240995-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.20	110	2.00	0.637	
Toluene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	0.985	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.15	107	2.00	0.781	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.18	103	6.00	0.785	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	240	16.0	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 72.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 3 (2.5') (H240995-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.20	110	2.00	0.637	
Toluene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	0.985	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.15	107	2.00	0.781	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.18	103	6.00	0.785	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 73.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 4 (2.5') (H240995-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.20	110	2.00	0.637	
Toluene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	0.985	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.15	107	2.00	0.781	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.18	103	6.00	0.785	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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	256	16.0	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 74.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 5 (2.5') (H240995-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.20	110	2.00	0.637	
Toluene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	0.985	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.15	107	2.00	0.781	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.18	103	6.00	0.785	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 6 (2.5') (H240995-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.20	110	2.00	0.637	
Toluene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	0.985	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.15	107	2.00	0.781	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.18	103	6.00	0.785	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 7 (2.5') (H240995-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.20	110	2.00	0.637	
Toluene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	0.985	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.15	107	2.00	0.781	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.18	103	6.00	0.785	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 8 (2.5') (H240995-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.20	110	2.00	0.637	
Toluene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	0.985	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.15	107	2.00	0.781	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.18	103	6.00	0.785	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 9 (2.5') (H240995-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.20	110	2.00	0.637	
Toluene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	0.985	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.15	107	2.00	0.781	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.18	103	6.00	0.785	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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>320</b>	16.0	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 10 (2.5') (H240995-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.20	110	2.00	0.637	
Toluene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	0.985	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.15	107	2.00	0.781	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.18	103	6.00	0.785	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	256	16.0	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 11 (2.5') (H240995-11)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.20	110	2.00	0.637	
Toluene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	0.985	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.15	107	2.00	0.781	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.18	103	6.00	0.785	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	320	16.0	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 12 (2.5') (H240995-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.20	110	2.00	0.637	
Toluene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	0.985	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.15	107	2.00	0.781	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.18	103	6.00	0.785	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	336	16.0	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 13 (2.5') (H240995-13)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	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	368	16.0	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 67.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 14 (2.5') (H240995-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	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	304	16.0	02/29/2024	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	02/28/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.2 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 15 (2.0') (H240995-15)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/29/2024	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	02/29/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 16 (2.0') (H240995-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 17 (2.0') (H240995-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 18 (2.0') (H240995-18)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32		
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29		
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31		
Total BTEX	<0.300	0.300	02/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	02/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	184	92.1	200	1.30		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	185	92.7	200	2.06		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 70.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 19 (2.0') (H240995-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 20 (2.0') (H240995-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	184	92.1	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	185	92.7	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 21 (2.0') (H240995-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	203	102	200	2.62	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	193	96.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 22 (2.0') (H240995-22)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32		
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29		
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31		
Total BTEX	<0.300	0.300	02/28/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	203	102	200	2.62		
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	193	96.6	200	3.41		
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND						

Surrogate: 1-Chlorooctane 91.2 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 23 (2.0') (H240995-23)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	203	102	200	2.62	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	193	96.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 24 (2.0') (H240995-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	203	102	200	2.62	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	193	96.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 25 (2.0') (H240995-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	203	102	200	2.62	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	193	96.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 26 (2.0') (H240995-26)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	203	102	200	2.62	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	193	96.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 27 (2.0') (H240995-27)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	203	102	200	2.62	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	193	96.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 28 (2.0') (H240995-28)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	203	102	200	2.62	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	193	96.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 29 (2.0') (H240995-29)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32		
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29		
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31		
Total BTEX	<0.300	0.300	02/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>128</b>	16.0	02/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	203	102	200	2.62		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	193	96.6	200	3.41		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 30 (2.0') (H240995-30)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 31 (2.0') (H240995-31)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2024	ND	2.17	109	2.00	2.32		
Toluene*	<0.050	0.050	02/28/2024	ND	2.15	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	2.29		
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.46	108	6.00	2.31		
Total BTEX	<0.300	0.300	02/28/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/29/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	184	92.1	200	0.803		
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	188	94.1	200	3.38		
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND						

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 32 (2.0') (H240995-32)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.17	109	2.00	2.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.46	108	6.00	2.31	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 33 (2.0') (H240995-33)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 73.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 34 (2.0') (H240995-34)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 35 (2.0') (H240995-35)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/29/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 60.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 36 (2.0') (H240995-36)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 37 (2.0') (H240995-37)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 38 (2.0') (H240995-38)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	752	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 73.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 39 (2.0') (H240995-39)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	640	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 65.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 40 (2.0') (H240995-40)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	720	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 41 (2.0') (H240995-41)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	160	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 62.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.9 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 42 (2.0') (H240995-42)**

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	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	144	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 62.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 43 (2.0') (H240995-43)**

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	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	144	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 65.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 44 (2.0') (H240995-44)**

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	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	256	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 45 (2.0') (H240995-45)**

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	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	240	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 63.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 46 (2.0') (H240995-46)**

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	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	256	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 47 (2.0') (H240995-47)**

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	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	160	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 48 (2.0') (H240995-48)**

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	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	160	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 49 (2.0') (H240995-49)**

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	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	160	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	184	92.1	200	0.803	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	188	94.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 50 (2.0') (H240995-50)**

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	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	320	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 51 (2.0') (H240995-51)**

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	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	320	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 73.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.1 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 52 (2.0') (H240995-52)**

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	02/28/2024	ND	1.87	93.6	2.00	3.09	
Toluene*	<0.050	0.050	02/28/2024	ND	1.95	97.6	2.00	4.70	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	1.95	97.4	2.00	4.67	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	5.95	99.1	6.00	4.29	
Total BTEX	<0.300	0.300	02/28/2024	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	320	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 63.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 53 (2.0') (H240995-53)**

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	02/28/2024	ND	2.34	117	2.00	3.16	QM-07
Toluene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 54 (2.0') (H240995-54)**

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	02/28/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/28/2024	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	448	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 55 (2.0') (H240995-55)**

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	02/28/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/28/2024	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	368	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 68.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 56 (2.0') (H240995-56)**

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	02/28/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	02/29/2024	ND	416	104	400	3.77	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 66.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.0 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 57 (2.0') (H240995-57)**

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	02/28/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 69.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.2 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 58 (2.0') (H240995-58)**

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	02/28/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.2 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 59 (2.0') (H240995-59)**

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	02/28/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.3 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 60 (2.0') (H240995-60)**

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	02/28/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 61 (2.5') (H240995-61)**

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	02/28/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 65.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 62 (2.5') (H240995-62)**

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	02/28/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/28/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 69.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 63 (2.5') (H240995-63)**

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	02/29/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/29/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 55.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 49.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 64 (2.5') (H240995-64)**

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	02/29/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/29/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 65.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 65 (2.0') (H240995-65)**

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	02/29/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/29/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 59.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 66 (2.0') (H240995-66)**

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	02/29/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/29/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 66.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 67 (2.0') (H240995-67)**

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	02/29/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/29/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 67.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 68 (2.0') (H240995-68)**

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	02/29/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/29/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 70.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.1 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 69 (2.0') (H240995-69)**

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	02/29/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/29/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	212	106	200	0.765	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 74.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 70 (2.0') (H240995-70)**

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	02/29/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/29/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 71 (2.0') (H240995-71)**

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	02/29/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/29/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 63.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 72 (2.0') (H240995-72)**

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	02/29/2024	ND	2.34	117	2.00	3.16	
Toluene*	<0.050	0.050	02/29/2024	ND	2.14	107	2.00	5.44	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	5.51	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.29	105	6.00	6.09	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 53.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.2 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 73 (2.5') (H240995-73)**

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	02/28/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/28/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 74 (2.5') (H240995-74)**

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	02/28/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/28/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 75 (2.5') (H240995-75)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/28/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/28/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 76 (2.5') (H240995-76)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/28/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/28/2024	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	224	16.0	02/29/2024	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	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 77 (2.5') (H240995-77)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/28/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/28/2024	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	208	16.0	02/29/2024	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	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 78 (2.0') (H240995-78)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/28/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/28/2024	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	240	16.0	02/29/2024	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	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 79 (2.0') (H240995-79)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/28/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	02/29/2024	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	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 74.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 80 (2.0') (H240995-80)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/28/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/28/2024	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	02/29/2024	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	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 81 (2.0') (H240995-81)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/28/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/28/2024	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	48.0	16.0	02/29/2024	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	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 82 (2.0') (H240995-82)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	02/29/2024	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	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 77.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 83 (2.0') (H240995-83)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	02/29/2024	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	02/28/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 67.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 84 (2.0') (H240995-84)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/29/2024	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	02/29/2024	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	02/29/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 62.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.6 % 49.1-148

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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 85 (2.0') (H240995-85)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/29/2024	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	02/29/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 67.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 86 (2.0') (H240995-86)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	02/29/2024	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	02/29/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 71.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 87 (1.5') (H240995-87)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/29/2024	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	96.0	16.0	02/29/2024	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	02/29/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 88 (1.5') (H240995-88)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/29/2024	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	144	16.0	02/29/2024	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	02/29/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 89 (1.5') (H240995-89)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/29/2024	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	112	16.0	02/29/2024	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	02/29/2024	ND	197	98.6	200	1.05	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	203	102	200	0.146	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Dionica Hinojos
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 90 (1.5') (H240995-90)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.02	101	2.00	5.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.10	105	2.00	4.59	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.17	108	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.45	107	6.00	4.70	
Total BTEX	<0.300	0.300	02/29/2024	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	<b>128</b>	16.0	02/29/2024	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	02/28/2024	ND	188	94.1	200	1.13	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	174	87.1	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.7 % 49.1-148

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

# Chain of Custody

Work Order No: H240995

Page 1 of 35

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Mariefeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:		Turn Around:		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2246	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date:	24 HR													None: NO	DI Water: H <sub>2</sub> O
Project Location	Lea County, New Mexico			Parameters													Cool: Cool	MeOH: Me		
Sampler's Name:	MM																HCL: HC	HNO <sub>3</sub> : HN		
PO #:																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:		140														NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:		-														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:		0.7														Zn Acetate+NaOH: Zn		
Total Containers:	90	Corrected Temperature:		-														NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
1 CS-1 (2.5')	2/28/2024		X		C	1	X	X	X											
2 CS-2 (2.5')	2/28/2024		X		C	1	X	X	X											
3 CS-3 (2.5')	2/28/2024		X		C	1	X	X	X											
4 CS-4 (2.5')	2/28/2024		X		C	1	X	X	X											
5 CS-5 (2.5')	2/28/2024		X		C	1	X	X	X											
6 CS-6 (2.5')	2/28/2024		X		C	1	X	X	X											
7 CS-7 (2.5')	2/28/2024		X		C	1	X	X	X											
8 CS-8 (2.5')	2/28/2024		X		C	1	X	X	X											
9 CS-9 (2.5')	2/28/2024		X		C	1	X	X	X											
10 CS-10 (2.5')	2/28/2024		X		C	1	X	X	X											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Michael M...</i>		<i>Conner Moehring</i>	2/28/24 16:30







# Chain of Custody

Work Order No: H240995

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:	Came Asada State 501H 502H	
Project Number:	2246	Turn Around: <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush
Project Location:	Lea County, New Mexico	Due Date: <u>24 HR</u>
Sampler's Name:	MM	
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: <u>140</u>
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor: <u>—</u>
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading: <u>0.7</u>
Total Containers:	<u>70</u>	Corrected Temperature: <u>—</u>

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes			
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500								None: NO	DI Water: H <sub>2</sub> O		
<u>41</u> CS-41 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>42</u> CS-42 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>43</u> CS-43 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>44</u> CS-44 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>45</u> CS-45 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>46</u> CS-46 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>47</u> CS-47 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>48</u> CS-48 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>49</u> CS-49 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>50</u> CS-50 (2.0')	2/28/2024		X		C	1	X	X	X											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			2/28/24 16:30



# Chain of Custody

Work Order No: H240995

Page 7 of 35

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:	Came Asada State 501H 502H		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes					
Project Number:	2246		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Parameters											None: NO		DI Water: H <sub>2</sub> O		
Project Location:	Lea County, New Mexico		Due Date:														24 HR		Cool: Cool		MeOH: Me
Sampler's Name:	MM		Wet Ice:														Yes No		HCL: HC		HNO <sub>3</sub> : HN
PO #:			Thermometer ID:		140												H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		NaOH: Na		
SAMPLE RECEIPT			Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wet Ice:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Correction Factor:		1.0		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		
Received Intact:	Yes No		N/A		Temperature Reading:		0.7		Corrected Temperature:												
Cooler Custody Seals:	Yes No		N/A																		
Sample Custody Seals:	Yes No		N/A																		
Total Containers:	90																				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500											HOLD	Sample Comments
61 CS-61 (2.5')	2/28/2024		X		C	1	X	X	X												
62 CS-62 (2.5')	2/28/2024		X		C	1	X	X	X												
63 CS-63 (2.5')	2/28/2024		X		C	1	X	X	X												
64 CS-64 (2.5')	2/28/2024		X		C	1	X	X	X												
65 CS-65 (2.0')	2/28/2024		X		C	1	X	X	X												
66 CS-66 (2.0')	2/28/2024		X		C	1	X	X	X												
67 CS-67 (2.0')	2/28/2024		X		C	1	X	X	X												
68 CS-68 (2.0')	2/28/2024		X		C	1	X	X	X												
69 CS-69 (2.0')	2/28/2024		X		C	1	X	X	X												
70 CS-70 (2.0')	2/28/2024		X		C	1	X	X	X												

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			2/28/24 16:30

# Chain of Custody

Work Order No: H240995

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:	Came Asada State 501H 502H		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	2246		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Parameters BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500	HOLD										None: NO      DI Water: H <sub>2</sub> O			
Project Location:	Lea County, New Mexico		Due Date: 24 HR														Cool: Cool      MeOH: Me			
Sampler's Name:	MM																HCL: HC      HNO <sub>3</sub> : HN			
PO #:					H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na															
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>											H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140												NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		0.7												Zn Acetate+NaOH: Zn			
Total Containers:	40		Corrected Temperature:		-												NaOH+Ascorbic Acid: SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments			
71 CS-71 (2.0')	2/28/2024		X		C	1	X	X	X											
72 CS-72 (2.0')	2/28/2024		X		C	1	X	X	X											
73 CS-73 (2.5')	2/28/2024		X		C	1	X	X	X											
74 CS-74 (2.5')	2/28/2024		X		C	1	X	X	X											
75 CS-75 (2.5')	2/28/2024		X		C	1	X	X	X											
76 CS-76 (2.5')	2/28/2024		X		C	1	X	X	X											
77 CS-77 (2.5')	2/28/2024		X		C	1	X	X	X											
78 CS-78 (2.0')	2/28/2024		X		C	1	X	X	X											
79 CS-79 (2.0')	2/28/2024		X		C	1	X	X	X											
80 CS-80 (2.0')	2/28/2024		X		C	1	X	X	X											

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

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			2/28/24 16:30

# Chain of Custody

Work Order No: H240998

Page 9 of 35

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:	Carne Asada State 501H 502H		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes					
Project Number:	2246		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush													None: NO	DI Water: H <sub>2</sub> O			
Project Location:	Lea County, New Mexico		Due Date:	24 HR	Parameters											Cool: Cool	MeOH: Me				
Sampler's Name:	MM															HCL: HC	HNO <sub>3</sub> : HN				
PO #:																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na				
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>											H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140													NaHSO <sub>4</sub> : NABIS					
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>						
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	0.7												Zn Acetate+NaOH: Zn						
Total Containers:	40	Corrected Temperature:	-												NaOH+Ascorbic Acid: SAPC						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500											HOLD	Sample Comments
81 CS-81 (2.0')	2/28/2024		X		C	1	X	X	X												
82 CS-82 (2.0')	2/28/2024		X		C	1	X	X	X												
83 CS-83 (2.0')	2/28/2024		X		C	1	X	X	X												
84 CS-84 (2.0')	2/28/2024		X		C	1	X	X	X												
85 CS-85 (2.0')	2/28/2024		X		C	1	X	X	X												
86 CS-86 (2.0')	2/28/2024		X		C	1	X	X	X												
87 CS-87 (1.5')	2/28/2024		X		C	1	X	X	X												
88 CS-88 (1.5')	2/28/2024		X		C	1	X	X	X												
89 CS-89 (1.5')	2/28/2024		X		C	1	X	X	X												
90 CS-90 (1.5')	2/28/2024		X		C	1	X	X	X												

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			2/28/2024 16:30



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

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February 29, 2024

MIKE CARMONA

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CARNE ASADA STATE 501H 502H ( SECTION 1 )

Enclosed are the results of analyses for samples received by the laboratory on 02/28/24 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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

---

February 29, 2024

MIKE CARMONA

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CARNE ASADA STATE 501H 502H ( SECTION 1 )

Enclosed are the results of analyses for samples received by the laboratory on 02/28/24 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 181 (1.5') (H240997-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	QM-07, QR-03
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	QR-03
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	QM-07, QR-03
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	QM-07, QR-03
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/29/2024	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	02/29/2024	ND	218	109	200	9.10	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	209	104	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 182 (1.5') (H240997-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32		
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/29/2024	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	02/29/2024	ND	218	109	200	9.10		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	209	104	200	2.63		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 183 (1.5') (H240997-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/29/2024	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	02/29/2024	ND	218	109	200	9.10	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	209	104	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 184 (1.5') (H240997-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/29/2024	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	02/29/2024	ND	218	109	200	9.10	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	209	104	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 185 (1.5') (H240997-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/29/2024	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	02/29/2024	ND	218	109	200	9.10	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	209	104	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 186 (1.5') (H240997-06)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32		
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33		
Total BTEX	<0.300	0.300	02/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	02/29/2024	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	02/29/2024	ND	218	109	200	9.10		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	209	104	200	2.63		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 187 (1.5') (H240997-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/29/2024	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	02/29/2024	ND	218	109	200	9.10	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	209	104	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 188 (1.5') (H240997-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/29/2024	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	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 70.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 189 (1.5') (H240997-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/29/2024	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	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 190 (1.5') (H240997-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/29/2024	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	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 52.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 191 (1.5') (H240997-11)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/29/2024	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	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 77.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 192 (1.5') (H240997-12)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32		
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	02/29/2024	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	02/29/2024	ND	195	97.7	200	0.558		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 65.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 193 (1.5') (H240997-13)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32		
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/29/2024	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	02/29/2024	ND	195	97.7	200	0.558		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 54.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 54.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 194 (1.5') (H240997-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/29/2024	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	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 61.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 195 (1.5') (H240997-15)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/29/2024	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	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 68.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 196 (1.5') (H240997-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 51.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 53.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 197 (1.5') (H240997-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	
Total BTEX	<0.300	0.300	02/29/2024	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	592	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 65.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 198 (1.5') (H240997-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32	
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33	
Total BTEX	<0.300	0.300	02/29/2024	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	60.8	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 199 (1.5') (H240997-19)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32		
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33		
Total BTEX	<0.300	0.300	02/29/2024	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	592	16.0	02/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	195	97.7	200	0.558		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 53.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.4 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 200 (1.5') (H240997-20)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.09	105	2.00	1.32		
Toluene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	0.813		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.27	114	2.00	2.99		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.74	112	6.00	3.33		
Total BTEX	<0.300	0.300	02/29/2024	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	96.0	16.0	02/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	195	97.7	200	0.558		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 201 (1.5') (H240997-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 202 (1.5') (H240997-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 203 (1.5') (H240997-23)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 204 (1.5') (H240997-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 205 (1.5') (H240997-25)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986		
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25		
Total BTEX	<0.300	0.300	02/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	195	97.7	200	0.558		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 206 (1.5') (H240997-26)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 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	656	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	195	97.7	200	0.558	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	208	104	200	0.0379	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 207 (1.5') (H240997-27)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986		
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25		
Total BTEX	<0.300	0.300	02/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	02/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	206	103	200	0.254		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	202	101	200	0.171		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 63.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 208 (1.5') (H240997-28)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	112	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	206	103	200	0.254	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	202	101	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 69.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 209 (1.5') (H240997-29)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986		
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25		
Total BTEX	<0.300	0.300	02/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	624	16.0	02/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	206	103	200	0.254		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	202	101	200	0.171		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 62.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 210 (1.5') (H240997-30)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 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	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	206	103	200	0.254	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	202	101	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 62.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.4 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 211 (1.5') (H240997-31)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	688	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	206	103	200	0.254	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	202	101	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 212 (1.5') (H240997-32)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	288	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	206	103	200	0.254	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	202	101	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 213 (1.5') (H240997-33)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	352	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	206	103	200	0.254	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	202	101	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 65.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 214 (1.5') (H240997-34)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	320	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	206	103	200	0.254	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	202	101	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 78.9 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 215 (1.5') (H240997-35)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	400	16.0	02/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	206	103	200	0.254	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	202	101	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 73.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 216 (1.5') (H240997-36)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	206	103	200	0.254	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	202	101	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 217 (1.5') (H240997-37)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986		
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25		
Total BTEX	<0.300	0.300	02/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	02/29/2024	ND	400	100	400	14.8		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	206	103	200	0.254		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	202	101	200	0.171		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 84.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 218 (1.5') (H240997-38)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	206	103	200	0.254	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	202	101	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 219 (1.5') (H240997-39)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	188	93.8	200	1.16	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	187	93.5	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 220 (1.5') (H240997-40)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.29	114	2.00	0.986	
Toluene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	1.47	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.47	108	6.00	2.25	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	188	93.8	200	1.16	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	187	93.5	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 221 (1.5') (H240997-41)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.16	108	2.00	5.35	
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97	QM-07
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>448</b>	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	188	93.8	200	1.16	
<b>DRO &gt;C10-C28*</b>	<b>10.5</b>	10.0	02/29/2024	ND	187	93.5	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 55.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 50.3 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 222 (1.5') (H240997-42)**

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	02/29/2024	ND	2.16	108	2.00	5.35	
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>448</b>	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	188	93.8	200	1.16	
<b>DRO &gt;C10-C28*</b>	<b>10.0</b>	10.0	02/29/2024	ND	187	93.5	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 223 (1.5') (H240997-43)**

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	02/29/2024	ND	2.16	108	2.00	5.35	
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>432</b>	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	188	93.8	200	1.16	
<b>DRO &gt;C10-C28*</b>	<b>83.6</b>	10.0	02/29/2024	ND	187	93.5	200	3.00	
<b>EXT DRO &gt;C28-C36</b>	<b>55.4</b>	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 64.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 224 (1.5') (H240997-44)**

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	02/29/2024	ND	2.16	108	2.00	5.35	
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	188	93.8	200	1.16	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	187	93.5	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 225 (1.5') (H240997-45)**

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	02/29/2024	ND	2.16	108	2.00	5.35		
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	02/29/2024	ND	400	100	400	14.8		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	188	93.8	200	1.16		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	187	93.5	200	3.00		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 64.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.5 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 226 (1.5') (H240997-46)**

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	02/29/2024	ND	2.16	108	2.00	5.35		
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/29/2024	ND	400	100	400	14.8		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	188	93.8	200	1.16		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	187	93.5	200	3.00		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.9 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 227 (1.5') (H240997-47)**

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	02/29/2024	ND	2.16	108	2.00	5.35	
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	188	93.8	200	1.16	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	187	93.5	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 228 (1.5') (H240997-48)**

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	02/29/2024	ND	2.16	108	2.00	5.35	
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	188	93.8	200	1.16	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	187	93.5	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.4 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 229 (1.5') (H240997-49)**

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	02/29/2024	ND	2.16	108	2.00	5.35		
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	02/29/2024	ND	400	100	400	14.8		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	188	93.8	200	1.16		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	187	93.5	200	3.00		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 230 (1.5') (H240997-50)**

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	02/29/2024	ND	2.16	108	2.00	5.35	
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	202	101	200	10.9	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 54.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 231 (1.5') (H240997-51)**

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	02/29/2024	ND	2.16	108	2.00	5.35	
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>176</b>	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	202	101	200	10.9	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 232 (1.5') (H240997-52)**

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	02/29/2024	ND	2.16	108	2.00	5.35	
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	202	101	200	10.9	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 233 (1.5') (H240997-53)**

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	02/29/2024	ND	2.16	108	2.00	5.35		
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	02/29/2024	ND	400	100	400	14.8		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	202	101	200	10.9		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 234 (1.5') (H240997-54)**

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	02/29/2024	ND	2.16	108	2.00	5.35	
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	202	101	200	10.9	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 235 (1.5') (H240997-55)**

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	02/29/2024	ND	2.16	108	2.00	5.35	
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/29/2024	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	202	101	200	10.9	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 68.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 236 (1.5') (H240997-56)**

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	02/29/2024	ND	2.16	108	2.00	5.35		
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80		
Total BTEX	<0.300	0.300	02/29/2024	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	160	16.0	02/29/2024	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	02/29/2024	ND	202	101	200	10.9		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 237 (1.5') (H240997-57)**

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	02/29/2024	ND	2.16	108	2.00	5.35	
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80	
Total BTEX	<0.300	0.300	02/29/2024	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	176	16.0	02/29/2024	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	02/29/2024	ND	202	101	200	10.9	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 238 (1.5') (H240997-58)**

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	02/29/2024	ND	2.16	108	2.00	5.35		
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80		
Total BTEX	<0.300	0.300	02/29/2024	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	02/29/2024	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	02/29/2024	ND	202	101	200	10.9		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 239 (1.5') (H240997-59)**

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	02/29/2024	ND	2.16	108	2.00	5.35		
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80		
Total BTEX	<0.300	0.300	02/29/2024	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	288	16.0	02/29/2024	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	02/29/2024	ND	202	101	200	10.9		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 69.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 240 (1.5') (H240997-60)**

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	02/29/2024	ND	2.16	108	2.00	5.35		
Toluene*	<0.050	0.050	02/29/2024	ND	2.15	107	2.00	5.93		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.12	106	2.00	5.97		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.42	107	6.00	4.80		
Total BTEX	<0.300	0.300	02/29/2024	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	304	16.0	02/29/2024	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	02/29/2024	ND	202	101	200	10.9		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 241 (1.5') (H240997-61)**

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	02/29/2024	ND	1.96	98.1	2.00	0.595	
Toluene*	<0.050	0.050	02/29/2024	ND	2.08	104	2.00	0.380	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.409	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.31	105	6.00	0.569	
Total BTEX	<0.300	0.300	02/29/2024	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	96.0	16.0	02/29/2024	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	02/29/2024	ND	202	101	200	10.9	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 55.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 242 (1.5') (H240997-62)**

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	02/29/2024	ND	1.96	98.1	2.00	0.595		
Toluene*	<0.050	0.050	02/29/2024	ND	2.08	104	2.00	0.380		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.409		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.31	105	6.00	0.569		
Total BTEX	<0.300	0.300	02/29/2024	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	480	16.0	02/29/2024	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	02/29/2024	ND	202	101	200	10.9		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 243 (1.5') (H240997-63)**

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	02/29/2024	ND	1.96	98.1	2.00	0.595	
Toluene*	<0.050	0.050	02/29/2024	ND	2.08	104	2.00	0.380	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.409	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.31	105	6.00	0.569	
Total BTEX	<0.300	0.300	02/29/2024	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>624</b>	16.0	02/29/2024	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	02/29/2024	ND	202	101	200	10.9	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 244 (1.5') (H240997-64)**

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	02/29/2024	ND	1.96	98.1	2.00	0.595	
Toluene*	<0.050	0.050	02/29/2024	ND	2.08	104	2.00	0.380	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.409	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.31	105	6.00	0.569	
Total BTEX	<0.300	0.300	02/29/2024	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	672	16.0	02/29/2024	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	02/29/2024	ND	202	101	200	10.9	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 67.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 245 (1.5') (H240997-65)**

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	02/29/2024	ND	1.96	98.1	2.00	0.595	
Toluene*	<0.050	0.050	02/29/2024	ND	2.08	104	2.00	0.380	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.409	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.31	105	6.00	0.569	
Total BTEX	<0.300	0.300	02/29/2024	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	608	16.0	02/29/2024	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	02/29/2024	ND	202	101	200	10.9	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 67.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 246 (2.0') (H240997-66)**

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	02/29/2024	ND	1.96	98.1	2.00	0.595		
Toluene*	<0.050	0.050	02/29/2024	ND	2.08	104	2.00	0.380		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.409		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.31	105	6.00	0.569		
Total BTEX	<0.300	0.300	02/29/2024	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	464	16.0	02/29/2024	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	02/29/2024	ND	202	101	200	10.9		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 247 (2.0') (H240997-67)**

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	02/29/2024	ND	1.96	98.1	2.00	0.595		
Toluene*	<0.050	0.050	02/29/2024	ND	2.08	104	2.00	0.380		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.409		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.31	105	6.00	0.569		
Total BTEX	<0.300	0.300	02/29/2024	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	432	16.0	02/29/2024	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	02/29/2024	ND	202	101	200	10.9		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 248 (2.0') (H240997-68)**

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	02/29/2024	ND	1.96	98.1	2.00	0.595		
Toluene*	<0.050	0.050	02/29/2024	ND	2.08	104	2.00	0.380		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.409		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.31	105	6.00	0.569		
Total BTEX	<0.300	0.300	02/29/2024	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	432	16.0	02/29/2024	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	02/29/2024	ND	202	101	200	10.9		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 249 (2.0') (H240997-69)**

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	02/29/2024	ND	1.96	98.1	2.00	0.595	
Toluene*	<0.050	0.050	02/29/2024	ND	2.08	104	2.00	0.380	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.409	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.31	105	6.00	0.569	
Total BTEX	<0.300	0.300	02/29/2024	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	672	16.0	02/29/2024	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	02/29/2024	ND	202	101	200	10.9	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	226	113	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 250 (2.0') (H240997-70)**

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	02/29/2024	ND	1.96	98.1	2.00	0.595	
Toluene*	<0.050	0.050	02/29/2024	ND	2.08	104	2.00	0.380	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.409	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.31	105	6.00	0.569	
Total BTEX	<0.300	0.300	02/29/2024	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	752	16.0	02/29/2024	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	02/29/2024	ND	189	94.3	200	1.41	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 62.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.7 % 49.1-148

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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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: H240997

Page 19 of 35

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes						
Project Number:	2246	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Pres. Code													None: NO	DI Water: H <sub>2</sub> O		
Project Location:	Lea County, New Mexico	Due Date:	24 HR	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MIRO)	Chloride 4500	HOLD									Cool: Cool	MeOH: Me		
Sampler's Name:	MM																HCL: HC	HNO <sub>3</sub> : HN		
PO#:																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na		
<b>SAMPLE RECEIPT</b>		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>									H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140														NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:										Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>								
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	0.72									Zn Acetate+NaOH: Zn								
Total Containers:	70	Corrected Temperature:										NaOH+Ascorbic Acid: SAPC								
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments			
1	CS-181 (1.5')	2/28/2024	X		C	1	X	X	X											
2	CS-182 (1.5')	2/28/2024	X		C	1	X	X	X											
3	CS-183 (1.5')	2/28/2024	X		C	1	X	X	X											
4	CS-184 (1.5')	2/28/2024	X		C	1	X	X	X											
5	CS-185 (1.5')	2/28/2024	X		C	1	X	X	X											
6	CS-186 (1.5')	2/28/2024	X		C	1	X	X	X											
7	CS-187 (1.5')	2/28/2024	X		C	1	X	X	X											
8	CS-188 (1.5')	2/28/2024	X		C	1	X	X	X											
9	CS-189 (1.5')	2/28/2024	X		C	1	X	X	X											
10	CS-190 (1.5')	2/28/2024	X		C	1	X	X	X											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-28-24 1630		

# Chain of Custody

Work Order No: H240997

Page 20 of 35

Page 74 of 79

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes						
Project Number:	2246	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date:											None: NO	DI Water: H <sub>2</sub> O				
Project Location	Lea County, New Mexico	Wet Ice:		Thermometer ID:											Cool: Cool	MeOH: Me					
Sampler's Name:	MM	Yes	No	140											HCL: HC	HNO <sub>3</sub> : HN					
PO #:		Yes	No	0.7e											H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na					
SAMPLE RECEIPT		Temp Blank:	Yes	No	Temperature Reading:											H <sub>3</sub> PO <sub>4</sub> : HP					
Received Intact:	Yes	No	Yes	No	Corrected Temperature:											NaHSO <sub>4</sub> : NABIS					
Cooler Custody Seals:	Yes	No	Yes	No												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>					
Sample Custody Seals:	Yes	No	Yes	No												Zn Acetate+NaOH: Zn					
Total Containers:	70	Yes	No													NaOH+Ascorbic Acid: SAPC					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500											HOLD	Sample Comments
11 CS-191 (1.5')	2/28/2024		X		C	1	X	X	X												
12 CS-192 (1.5')	2/28/2024		X		C	1	X	X	X												
13 CS-193 (1.5')	2/28/2024		X		C	1	X	X	X												
14 CS-194 (1.5')	2/28/2024		X		C	1	X	X	X												
15 CS-195 (1.5')	2/28/2024		X		C	1	X	X	X												
16 CS-196 (1.5')	2/28/2024		X		C	1	X	X	X												
17 CS-197 (1.5')	2/28/2024		X		C	1	X	X	X												
18 CS-198 (1.5')	2/28/2024		X		C	1	X	X	X												
19 CS-199 (1.5')	2/28/2024		X		C	1	X	X	X												
20 CS-200 (1.5')	2/28/2024		X		C	1	X	X	X												

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-28-24 11:30		

# Chain of Custody

Work Order No: H240997

Page 21 of 35

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permanianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes				
	Project Number:	Due Date:												None: NO	DI Water: H <sub>2</sub> O			
Carne Asada State 501H 502H	2246	24 HR	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														Cool: Cool	MeOH: Me
Project Location:	Lea County, New Mexico																HCL: HC	HNO <sub>3</sub> : HN
Sampler's Name:	MM																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
PO #:																	H <sub>3</sub> PO <sub>4</sub> : HP	
SAMPLE RECEIPT		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>											Sample Comments		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140														NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:															Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	0.7c														Zn Acetate+NaOH: Zn	
Total Containers:	70	Corrected Temperature:															NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MIRO)	Chloride 4500								HOLD
21 CS-201 (1.5')	2/28/2024		X		C	1	X	X	X								
22 CS-202 (1.5')	2/28/2024		X		C	1	X	X	X								
23 CS-203 (1.5')	2/28/2024		X		C	1	X	X	X								
24 CS-204 (1.5')	2/28/2024		X		C	1	X	X	X								
25 CS-205 (1.5')	2/28/2024		X		C	1	X	X	X								
26 CS-206 (1.5')	2/28/2024		X		C	1	X	X	X								
27 CS-207 (1.5')	2/28/2024		X		C	1	X	X	X								
28 CS-208 (1.5')	2/28/2024		X		C	1	X	X	X								
29 CS-209 (1.5')	2/28/2024		X		C	1	X	X	X								
30 CS-210 (1.5')	2/28/2024		X		C	1	X	X	X								

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-28-24 16:30		











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March 01, 2024

MIKE CARMONA

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CARNE ASADA STATE 501H 502H ( SECTION 1 )

Enclosed are the results of analyses for samples received by the laboratory on 02/28/24 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 251 (2.0') (H240998-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23	
Total BTEX	<0.300	0.300	02/29/2024	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	704	16.0	03/01/2024	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	02/29/2024	ND	189	94.3	200	1.41	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 252 (2.0') (H240998-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23		
Total BTEX	<0.300	0.300	02/29/2024	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	800	16.0	03/01/2024	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	02/29/2024	ND	189	94.3	200	1.41		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 65.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 253 (2.0') (H240998-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23		
Total BTEX	<0.300	0.300	02/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	736	16.0	03/01/2024	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	02/29/2024	ND	189	94.3	200	1.41		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 65.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 254 (2.0') (H240998-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23	
Total BTEX	<0.300	0.300	02/29/2024	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	720	16.0	03/01/2024	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	02/29/2024	ND	189	94.3	200	1.41	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 74.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 255 (2.0') (H240998-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23		
Total BTEX	<0.300	0.300	02/29/2024	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	144	16.0	03/01/2024	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	02/29/2024	ND	189	94.3	200	1.41		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 256 (2.0') (H240998-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23	
Total BTEX	<0.300	0.300	02/29/2024	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	128	16.0	03/01/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 67.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 257 (2.0') (H240998-07)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23		
Total BTEX	<0.300	0.300	02/29/2024	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	03/01/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 258 (2.0') (H240998-08)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23		
Total BTEX	<0.300	0.300	02/29/2024	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	128	16.0	03/01/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 259 (2.0') (H240998-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23	
Total BTEX	<0.300	0.300	02/29/2024	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	96.0	16.0	03/01/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 260 (2.0') (H240998-10)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23		
Total BTEX	<0.300	0.300	02/29/2024	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	112	16.0	03/01/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 72.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 261 (2.0') (H240998-11)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23	
Total BTEX	<0.300	0.300	02/29/2024	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	416	16.0	03/01/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 63.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.2 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 262 (2.0') (H240998-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23	
Total BTEX	<0.300	0.300	02/29/2024	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	496	16.0	03/01/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 263 (2.0') (H240998-13)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23	
Total BTEX	<0.300	0.300	02/29/2024	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	128	16.0	03/01/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 264 (2.0') (H240998-14)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23		
Total BTEX	<0.300	0.300	02/29/2024	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	03/01/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 265 (2.0') (H240998-15)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23		
Total BTEX	<0.300	0.300	02/29/2024	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	112	16.0	03/01/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 68.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.3 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 266 (2.0') (H240998-16)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23		
Total BTEX	<0.300	0.300	02/29/2024	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	160	16.0	03/01/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 267 (2.5') (H240998-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	208	16.0	03/01/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 60.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 268 (2.5') (H240998-18)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23		
Total BTEX	<0.300	0.300	02/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	03/01/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 56.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 269 (2.5') (H240998-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23	
Total BTEX	<0.300	0.300	02/29/2024	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	208	16.0	03/01/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	189	94.3	200	1.41	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	169	84.6	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 270 (2.5') (H240998-20)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.27	113	2.00	2.70		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	3.11		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.26	113	2.00	3.18		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.67	111	6.00	3.23		
Total BTEX	<0.300	0.300	02/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	176	16.0	03/01/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 271 (2.5') (H240998-21)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52		
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732		
Total BTEX	<0.300	0.300	02/29/2024	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	208	16.0	03/01/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 272 (2.0') (H240998-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52	
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732	
Total BTEX	<0.300	0.300	02/29/2024	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	256	16.0	03/01/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 273 (2.0') (H240998-23)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52		
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732		
Total BTEX	<0.300	0.300	02/29/2024	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	256	16.0	03/01/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 274 (2.0') (H240998-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52	
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732	
Total BTEX	<0.300	0.300	02/29/2024	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	320	16.0	03/01/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.9 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 275 (2.0') (H240998-25)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52		
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732		
Total BTEX	<0.300	0.300	02/29/2024	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	384	16.0	03/01/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 65.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 276 (2.0') (H240998-26)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52	
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/01/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 277 (2.0') (H240998-27)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52	
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/01/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 278 (2.0') (H240998-28)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52		
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	03/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 279 (2.0') (H240998-29)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52		
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732		
Total BTEX	<0.300	0.300	02/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	03/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 280 (2.0') (H240998-30)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52	
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/01/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 68.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.9 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 281 (2.0') (H240998-31)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52	
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/01/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 282 (2.0') (H240998-32)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52	
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/01/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 283 (2.0') (H240998-33)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52	
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	03/01/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 284 (2.0') (H240998-34)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52		
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732		
Total BTEX	<0.300	0.300	02/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 285 (2.0') (H240998-35)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52		
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.2 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 286 (2.0') (H240998-36)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52		
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 287 (2.0') (H240998-37)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52	
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/01/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 288 (2.0') (H240998-38)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52	
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/01/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.3 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 289 (2.0') (H240998-39)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52		
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	03/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	193	96.4	200	0.889		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	197	98.5	200	0.381		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 290 (2.0') (H240998-40)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	1.90	95.1	2.00	3.52		
Toluene*	<0.050	0.050	02/29/2024	ND	2.06	103	2.00	0.664		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.07	103	2.00	0.135		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.33	105	6.00	0.732		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 291 (2.0') (H240998-41)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.42	121	2.00	2.31	QM-07
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/01/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 292 (2.0') (H240998-42)**

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	02/29/2024	ND	2.42	121	2.00	2.31		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	03/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 293 (2.0') (H240998-43)**

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	02/29/2024	ND	2.42	121	2.00	2.31		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	03/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.9 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 294 (2.0') (H240998-44)**

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	02/29/2024	ND	2.42	121	2.00	2.31		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	03/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS - 295 (2.0') (H240998-45)**

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	02/29/2024	ND	2.42	121	2.00	2.31		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929		
Total BTEX	<0.300	0.300	02/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	03/01/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 1 (2.5') (H240998-46)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	272	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 67.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 2 (2.5') (H240998-47)**

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	02/29/2024	ND	2.42	121	2.00	2.31		
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929		
Total BTEX	<0.300	0.300	02/29/2024	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	288	16.0	03/01/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 3 (2.5') (H240998-48)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	112	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 4 (2.0') (H240998-49)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 5 (2.0') (H240998-50)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	272	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 6 (2.0') (H240998-51)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	256	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 66.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.9 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 7 (2.0') (H240998-52)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	160	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 8 (2.0') (H240998-53)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	112	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 9 (1.5') (H240998-54)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	352	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 10 (1.5') (H240998-55)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	48.0	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.4 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 11 (2.5') (H240998-56)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	128	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 12 (1.0') (H240998-57)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	288	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 61.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 13 (1.0') (H240998-58)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 14 (1.0') (H240998-59)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	208	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	183	91.7	200	1.72	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	182	91.0	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 15 (1.5') (H240998-60)**

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	02/29/2024	ND	2.42	121	2.00	2.31	
Toluene*	<0.050	0.050	02/29/2024	ND	2.22	111	2.00	1.83	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.24	112	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.62	110	6.00	0.929	
Total BTEX	<0.300	0.300	02/29/2024	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	144	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	177	88.7	200	0.885	QM-07
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 16 (1.5') (H240998-61)**

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	02/29/2024	ND	2.17	109	2.00	2.59	QM-07
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 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	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 17 (2.0') (H240998-62)**

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	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	128	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 61.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.4 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 18 (1.5') (H240998-63)**

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	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 19 (2.5') (H240998-64)**

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	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	208	16.0	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 20 (1.0') (H240998-65)**

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	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	03/01/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 70.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 21 (1.0') (H240998-66)**

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	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 56.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 53.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 22 (1.0') (H240998-67)**

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	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 73.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 23 (1.5') (H240998-68)**

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	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 24 (2.0') (H240998-69)**

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	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 25 (2.0') (H240998-70)**

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	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>640</b>	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 26 (2.0') (H240998-71)**

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	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 27 (2.0') (H240998-72)**

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	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 28 (2.0') (H240998-73)**

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	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 29 (2.0') (H240998-74)**

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	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 30 (2.0') (H240998-75)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2024	ND	2.17	109	2.00	2.59		
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03		
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62		
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75		
Total BTEX	<0.300	0.300	02/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885		
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04		
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND						

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 31 (2.0') (H240998-76)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 32 (2.0') (H240998-77)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 33 (2.0') (H240998-78)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 58.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.3 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 34 (2.5') (H240998-79)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/01/2024	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	02/29/2024	ND	177	88.7	200	0.885	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	168	83.8	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 89.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 35 (2.5') (H240998-80)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.17	109	2.00	2.59	
Toluene*	<0.050	0.050	02/29/2024	ND	2.13	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.11	105	2.00	2.62	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.08	101	6.00	2.75	
Total BTEX	<0.300	0.300	02/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/01/2024	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	02/29/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 36 (2.0') (H240998-81)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.25	113	2.00	2.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.23	112	2.00	2.25	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.20	110	2.00	2.02	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.64	111	6.00	1.99	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/01/2024	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	02/29/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 37 (2.0') (H240998-82)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.25	113	2.00	2.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.23	112	2.00	2.25	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.20	110	2.00	2.02	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.64	111	6.00	1.99	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/01/2024	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	02/29/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 38 (2.0') (H240998-83)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.25	113	2.00	2.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.23	112	2.00	2.25	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.20	110	2.00	2.02	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.64	111	6.00	1.99	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	03/01/2024	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	02/29/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 71.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 39 (2.0') (H240998-84)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.25	113	2.00	2.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.23	112	2.00	2.25	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.20	110	2.00	2.02	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.64	111	6.00	1.99	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/01/2024	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	02/29/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.9 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 40 (2.0') (H240998-85)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.25	113	2.00	2.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.23	112	2.00	2.25	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.20	110	2.00	2.02	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.64	111	6.00	1.99	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/01/2024	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	02/29/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 41 (2.0') (H240998-86)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.25	113	2.00	2.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.23	112	2.00	2.25	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.20	110	2.00	2.02	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.64	111	6.00	1.99	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/01/2024	ND	432	108	400	3.64	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 42 (2.0') (H240998-87)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.25	113	2.00	2.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.23	112	2.00	2.25	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.20	110	2.00	2.02	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.64	111	6.00	1.99	
Total BTEX	<0.300	0.300	02/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/01/2024	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	02/29/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 43 (0.5') (H240998-88)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.25	113	2.00	2.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.23	112	2.00	2.25	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.20	110	2.00	2.02	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.64	111	6.00	1.99	
Total BTEX	<0.300	0.300	02/29/2024	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	368	16.0	03/01/2024	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	02/29/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 68.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 44 (0.5') (H240998-89)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.25	113	2.00	2.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.23	112	2.00	2.25	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.20	110	2.00	2.02	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.64	111	6.00	1.99	
Total BTEX	<0.300	0.300	02/29/2024	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	320	16.0	03/01/2024	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	02/29/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 68.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 45 (0.5') (H240998-90)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.25	113	2.00	2.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.23	112	2.00	2.25	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.20	110	2.00	2.02	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.64	111	6.00	1.99	
Total BTEX	<0.300	0.300	02/29/2024	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	320	16.0	03/01/2024	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	03/01/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 46 (0.5') (H240998-91)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.25	113	2.00	2.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.23	112	2.00	2.25	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.20	110	2.00	2.02	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.64	111	6.00	1.99	
Total BTEX	<0.300	0.300	02/29/2024	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	288	16.0	03/01/2024	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	02/29/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 63.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.6 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 47 (0.5') (H240998-92)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.25	113	2.00	2.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.23	112	2.00	2.25	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.20	110	2.00	2.02	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.64	111	6.00	1.99	
Total BTEX	<0.300	0.300	02/29/2024	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	272	16.0	03/01/2024	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	02/29/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	02/28/2024	Sampling Date:	02/28/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H ( SECT	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 48 (0.5') (H240998-93)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2024	ND	2.25	113	2.00	2.82	
Toluene*	<0.050	0.050	02/29/2024	ND	2.23	112	2.00	2.25	
Ethylbenzene*	<0.050	0.050	02/29/2024	ND	2.20	110	2.00	2.02	
Total Xylenes*	<0.150	0.150	02/29/2024	ND	6.64	111	6.00	1.99	
Total BTEX	<0.300	0.300	02/29/2024	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	240	16.0	03/01/2024	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	02/29/2024	ND	200	100	200	0.751	
DRO >C10-C28*	<10.0	10.0	02/29/2024	ND	199	99.4	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	02/29/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



# Chain of Custody

Work Order No: H240998

Page 27 of 35

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permanres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes						
Project Number:		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code											None: NO      DI Water: H <sub>2</sub> O					
Project Location:		Due Date:		Parameters											Cool: Cool      MeOH: Me					
Sampler's Name:		<u>48</u> HR													HCL: HC      HNO <sub>3</sub> : HN					
PO #:															H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na					
SAMPLE RECEIPT		Temp Blank:			Wet Ice:												H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>												NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Thermometer ID:												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>				
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:												Zn Acetate+NaOH: Zn				
Total Containers:		<u>40</u>		Temperature Reading:												NaOH+Ascorbic Acid: SAPC				
Total Containers:		<u>40</u>		Corrected Temperature:												Sample Comments				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MIRO)	Chloride 4500											
<u>11</u> CS-261 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>12</u> CS-262 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>13</u> CS-263 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>14</u> CS-264 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>15</u> CS-265 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>16</u> CS-266 (2.0')	2/28/2024		X		C	1	X	X	X											
<u>17</u> CS-267 (2.5')	2/28/2024		X		C	1	X	X	X											
<u>18</u> CS-268 (2.5')	2/28/2024		X		C	1	X	X	X											
<u>19</u> CS- 269 (2.5')	2/28/2024		X		C	1	X	X	X											
<u>20</u> CS-270 (2.5')	2/28/2024		X		C	1	X	X	X											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	<u>2/28/24 1630</u>		

# Chain of Custody

Work Order No: H240998

Page 28 of 35

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes						
Project Number:	2246	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date:											None: NO	DI Water: H <sub>2</sub> O				
Project Location:	Lea County, New Mexico	Due Date:		48 HR											Cool: Cool	MeOH: Me					
Sampler's Name:	MM	Due Date:		48 HR											HCL: HC	HNO <sub>3</sub> : HN					
PO #:		Due Date:		48 HR											H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na					
<b>SAMPLE RECEIPT</b>		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											H <sub>3</sub> PO <sub>4</sub> : HP					
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	740											NaHSO <sub>4</sub> : NABIS							
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>							
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	0.7E											Zn Acetate+NaOH: Zn							
Total Containers:	90	Corrected Temperature:												NaOH+Ascorbic Acid: SAPC							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500											HOLD	Sample Comments
21 CS-271 (2.5')	2/28/2024		X		C	1	X	X	X												
22 CS-272 (2.0')	2/28/2024		X		C	1	X	X	X												
23 CS-273 (2.0')	2/28/2024		X		C	1	X	X	X												
24 CS-274 (2.0')	2/28/2024		X		C	1	X	X	X												
25 CS-275 (2.0')	2/28/2024		X		C	1	X	X	X												
26 CS-276 (2.0')	2/28/2024		X		C	1	X	X	X												
27 CS-277 (2.0')	2/28/2024		X		C	1	X	X	X												
28 CS-278 (2.0')	2/28/2024		X		C	1	X	X	X												
29 CS-279 (2.0')	2/28/2024		X		C	1	X	X	X												
30 CS-280 (2.0')	2/28/2024		X		C	1	X	X	X												

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-28-24 1630		



# Chain of Custody

Work Order No: H240998

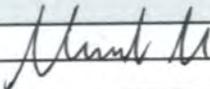
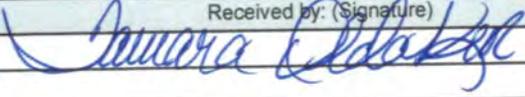
Page 30 of 35

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes			
Project Number:		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code													
Project Location:		Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	None: NO		DI Water: H <sub>2</sub> O		Cool: Cool		MeOH: Me		
Sampler's Name:		<u>48</u> HR							HCL: HC		HNO <sub>3</sub> : HN						
PO #:									H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		NaOH: Na						
SAMPLE RECEIPT		Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		H <sub>3</sub> PO <sub>4</sub> : HP						
Received Intact:		Thermometer ID: <u>140</u>							NaHSO <sub>4</sub> : NABIS								
Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <u>N/A</u>		Correction Factor:		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>													
Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <u>N/A</u>		Temperature Reading: <u>0.7°C</u>		Zn Acetate+NaOH: Zn													
Total Containers: <u>90</u>		Corrected Temperature:		NaOH+Ascorbic Acid: SAPC													
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											
<u>41</u> CS-291 (2.0')	2/28/2024		X		C	1	X	X	X								
<u>42</u> CS-292 (2.0')	2/28/2024		X		C	1	X	X	X								
<u>43</u> CS-293 (2.0')	2/28/2024		X		C	1	X	X	X								
<u>44</u> CS-294 (2.0')	2/28/2024		X		C	1	X	X	X								
<u>45</u> CS-295 (2.0')	2/28/2024		X		C	1	X	X	X								
<u>46</u> SW-1 (2.5')	2/28/2024		X		C	1	X	X	X								
<u>47</u> SW-2 (2.5')	2/28/2024		X		C	1	X	X	X								
<u>48</u> SW-3 (2.5')	2/28/2024		X		C	1	X	X	X								
<u>49</u> SW-4 (2.0')	2/28/2024		X		C	1	X	X	X								
<u>90</u> SW-5 (2.0')	2/28/2024		X		C	1	X	X	X								

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	<u>2-28-24 1630</u>		

# Chain of Custody

Work Order No: H240998

Page 31 of 35

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permanres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	<u>432-425-8321</u>

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

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes									
Project Number:		Due Date:		Pres. Code											None: NO								
Project Location:		Wet Ice:		Parameters											DI Water: H <sub>2</sub> O								
Sampler's Name:		Thermometer ID:													Cool: Cool								
PO #:		Correction Factor:													MeOH: Me								
SAMPLE RECEIPT		Temperature Reading:													HCL: HC								
Temp Blank:		Corrected Temperature:													H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>								
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	140	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500											NaOH: Na								
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A													H <sub>3</sub> PO <sub>4</sub> : HP								
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	0.7%												NaHSO <sub>4</sub> : NABIS								
Total Containers:	90														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											Sample Comments			
51	SW-6 (2.0')	2/28/2024		X		C		1	1	X	X	X											
52	SW-7 (2.0')	2/28/2024		X		C		1	1	X	X	X											
53	SW-8 (2.0')	2/28/2024		X		C		1	1	X	X	X											
54	SW-9 (1.5')	2/28/2024		X		C		1	1	X	X	X											
55	SW-10 (1.5')	2/28/2024		X		C		1	1	X	X	X											
56	SW-11 (2.5')	2/28/2024		X		C		1	1	X	X	X											
57	SW-12 (1.0')	2/28/2024		X		C		1	1	X	X	X											
58	SW-13 (1.0')	2/28/2024		X		C		1	1	X	X	X											
59	SW-14 (1.0')	2/28/2024		X		C		1	1	X	X	X											
60	SW-15 (1.5')	2/28/2024		X		C		1	1	X	X	X											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Mike Carmona</i>	2-28-24 1630	<i>Conner Moehring</i>	

# Chain of Custody

Work Order No: H240995

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes							
Project Number:		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code											None: NO						
Project Location		Due Date:		Parameters											DI Water: H <sub>2</sub> O						
Sampler's Name:		48 HR													Cool: Cool						
PO #:															MeOH: Me						
Temp Blank:		Wet Ice:													HCL: HC						
Received Intact:		Thermometer ID:													H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>						
SAMPLE RECEIPT		Yes No		Yes No		BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500											NaOH: Na				
Cooler Custody Seals:		N/A		740													H <sub>3</sub> PO <sub>4</sub> : HP				
Sample Custody Seals:		N/A		0.7°C													NaHSO <sub>4</sub> : NABIS				
Total Containers:		90		Corrected Temperature:													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											Sample Comments			
61	SW-16 (1.5')	2/28/2024		X		C	1	X	X	X											
62	SW-17 (2.0')	2/28/2024		X		C	1	X	X	X											
63	SW-18 (1.5')	2/28/2024		X		C	1	X	X	X											
64	SW-19 (2.5')	2/28/2024		X		C	1	X	X	X											
65	SW-20 (1.0')	2/28/2024		X		C	1	X	X	X											
66	SW-21 (1.0')	2/28/2024		X		C	1	X	X	X											
67	SW-22 (1.0')	2/28/2024		X		C	1	X	X	X											
68	SW-23 (1.5')	2/28/2024		X		C	1	X	X	X											
69	SW-24 (2.0')	2/28/2024		X		C	1	X	X	X											
70	SW-25 (2.0')	2/28/2024		X		C	1	X	X	X											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-28-24 1630		

# Chain of Custody

Work Order No: H240998

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes						
Project Number:		Due Date:		Pres. Code											None: NO					
Project Location:		Wet Ice:		Parameters											DI Water: H <sub>2</sub> O					
Sampler's Name:		Thermometer ID:													Cool: Cool					
PO #:		Correction Factor:													MeOH: Me					
SAMPLE RECEIPT		Temperature Reading:													HCL: HC					
Total Containers:		Corrected Temperature:													H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>					
Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500											NaOH: Na					
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP					
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A													NaHSO <sub>4</sub> : NABIS					
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A													Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>					
Total Containers:		90													Zn Acetate+NaOH: Zn					
														NaOH+Ascorbic Acid: SAPC						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments			
21 SW-26 (2.0')	2/28/2024		X		C	1	X	X	X											
22 SW-27 (2.0')	2/28/2024		X		C	1	X	X	X											
23 SW-28 (2.0')	2/28/2024		X		C	1	X	X	X											
24 SW-29 (2.0')	2/28/2024		X		C	1	X	X	X											
25 SW-30 (2.0')	2/28/2024		X		C	1	X	X	X											
26 SW-31 (2.0')	2/28/2024		X		C	1	X	X	X											
27 SW-32 (2.0')	2/28/2024		X		C	1	X	X	X											
28 SW-33 (2.0')	2/28/2024		X		C	1	X	X	X											
29 SW-34 (2.5')	2/28/2024		X		C	1	X	X	X											
30 SW-35 (2.5')	2/28/2024		X		C	1	X	X	X											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-28-24 1630		

# Chain of Custody

Work Order No: H240998

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes												
Project Number:	2246	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Pres. Code													None: NO	DI Water: H <sub>2</sub> O								
Project Location	Lea County, New Mexico	Due Date:	48 HR	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	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							
Sampler's Name:	MM	SAMPLE RECEIPT							Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID:	140	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			
PO #:		Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Correction Factor:	N/A	Temperature Reading:	0.7°C	Total Containers:		90	Corrected Temperature:										
Sample Identification	Date	Time	Soil						Water	Grab/Comp	# of Cont															Sample Comments
81	SW-36 (2.0')	2/28/2024	X							C	1	X	X	X												
82	SW-37 (2.0')	2/28/2024	X		C	1	X	X	X																	
83	SW-38 (2.0')	2/28/2024	X		C	1	X	X	X																	
84	SW-39 (2.0')	2/28/2024	X		C	1	X	X	X																	
85	SW-40 (2.0')	2/28/2024	X		C	1	X	X	X																	
86	SW-41 (2.0')	2/28/2024	X		C	1	X	X	X																	
87	SW-42 (2.0')	2/28/2024	X		C	1	X	X	X																	
88	SW-43 (0.5')	2/28/2024	X		C	1	X	X	X																	
89	SW-44 (0.5')	2/28/2024	X		C	1	X	X	X																	
90	SW-45 (0.5')	2/28/2024	X		C	1	X	X	X																	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-28-24 1630		





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

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March 11, 2024

MIKE CARMONA

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CARNE ASADA STATE 501H 502H

Enclosed are the results of analyses for samples received by the laboratory on 03/08/24 15:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 38 ( 2.5' ) (H241200-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	1.65	82.5	2.00	15.8	
Toluene*	<0.050	0.050	03/08/2024	ND	1.72	86.2	2.00	15.5	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	1.69	84.5	2.00	15.9	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	5.15	85.8	6.00	16.0	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/11/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2024	ND	231	115	200	5.05	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	239	119	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 39 ( 2.5' ) (H241200-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/08/2024	ND	1.65	82.5	2.00	15.8		
Toluene*	<0.050	0.050	03/08/2024	ND	1.72	86.2	2.00	15.5		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	1.69	84.5	2.00	15.9		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	5.15	85.8	6.00	16.0		
Total BTEX	<0.300	0.300	03/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/11/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/09/2024	ND	231	115	200	5.05		
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	239	119	200	4.69		
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND						

Surrogate: 1-Chlorooctane 67.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 40 ( 2.5' ) (H241200-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	1.65	82.5	2.00	15.8	
Toluene*	<0.050	0.050	03/08/2024	ND	1.72	86.2	2.00	15.5	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	1.69	84.5	2.00	15.9	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	5.15	85.8	6.00	16.0	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/11/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2024	ND	231	115	200	5.05	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	239	119	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 70.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 56 ( 2.5' ) (H241200-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	1.65	82.5	2.00	15.8	
Toluene*	<0.050	0.050	03/08/2024	ND	1.72	86.2	2.00	15.5	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	1.69	84.5	2.00	15.9	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	5.15	85.8	6.00	16.0	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/11/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2024	ND	231	115	200	5.05	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	239	119	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 57 ( 2.5' ) (H241200-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	1.65	82.5	2.00	15.8	
Toluene*	<0.050	0.050	03/08/2024	ND	1.72	86.2	2.00	15.5	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	1.69	84.5	2.00	15.9	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	5.15	85.8	6.00	16.0	
Total BTEX	<0.300	0.300	03/08/2024	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	96.0	16.0	03/11/2024	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	03/09/2024	ND	231	115	200	5.05	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	239	119	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 113 ( 2.0' ) (H241200-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	1.65	82.5	2.00	15.8	
Toluene*	<0.050	0.050	03/08/2024	ND	1.72	86.2	2.00	15.5	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	1.69	84.5	2.00	15.9	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	5.15	85.8	6.00	16.0	
Total BTEX	<0.300	0.300	03/08/2024	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	32.0	16.0	03/11/2024	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	03/09/2024	ND	231	115	200	5.05	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	239	119	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 114 ( 2.0' ) (H241200-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	1.65	82.5	2.00	15.8	
Toluene*	<0.050	0.050	03/08/2024	ND	1.72	86.2	2.00	15.5	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	1.69	84.5	2.00	15.9	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	5.15	85.8	6.00	16.0	
Total BTEX	<0.300	0.300	03/08/2024	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	320	16.0	03/11/2024	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	03/09/2024	ND	231	115	200	5.05	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	239	119	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 115 ( 2.0' ) (H241200-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	1.65	82.5	2.00	15.8	
Toluene*	<0.050	0.050	03/08/2024	ND	1.72	86.2	2.00	15.5	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	1.69	84.5	2.00	15.9	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	5.15	85.8	6.00	16.0	
Total BTEX	<0.300	0.300	03/08/2024	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	48.0	16.0	03/11/2024	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	03/09/2024	ND	231	115	200	5.05	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	239	119	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 59.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 206 ( 2.0' ) (H241200-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/08/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.51	126	2.00	5.19	QM-07
Total Xylenes*	<0.150	0.150	03/08/2024	ND	7.48	125	6.00	5.52	QM-07
Total BTEX	<0.300	0.300	03/08/2024	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	48.0	16.0	03/11/2024	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	03/08/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 67.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 49.1-148

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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 209 ( 2.0' ) (H241200-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/08/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/08/2024	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	80.0	16.0	03/11/2024	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	03/08/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 64.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 210 ( 2.0' ) (H241200-11)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/08/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	03/11/2024	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	03/08/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 211 ( 2.0' ) (H241200-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/09/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/09/2024	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	176	16.0	03/11/2024	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	03/11/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 243 ( 2.0' ) (H241200-13)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/09/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/09/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/11/2024	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	03/08/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 63.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.0 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 244 ( 2.0' ) (H241200-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/09/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/09/2024	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	144	16.0	03/11/2024	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	03/11/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 245 ( 2.0' ) (H241200-15)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/09/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/09/2024	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	03/11/2024	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	03/09/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 59.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.7 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 249 ( 2.5' ) (H241200-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/09/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/09/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/11/2024	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	03/09/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 56.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.3 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 250 ( 2.5' ) (H241200-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/09/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/09/2024	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	176	16.0	03/11/2024	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	03/09/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 63.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.5 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 251 ( 2.5' ) (H241200-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/09/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/09/2024	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	<b>864</b>	16.0	03/11/2024	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	03/09/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 59.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 252 ( 2.5' ) (H241200-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/09/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/09/2024	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	576	16.0	03/11/2024	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	03/09/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 253 ( 2.5' ) (H241200-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/09/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/09/2024	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	240	16.0	03/11/2024	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	03/09/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 63.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.1 % 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 254 ( 2.5' ) (H241200-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/09/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/09/2024	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	240	16.0	03/11/2024	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	03/09/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 223 ( 2.0' ) (H241200-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/09/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/09/2024	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	03/11/2024	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	03/11/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					

Surrogate: 1-Chlorooctane 74.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: SW - 25 ( 2.0' ) (H241200-23)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2024	ND	2.22	111	2.00	1.02	
Toluene*	<0.050	0.050	03/09/2024	ND	2.39	119	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.51	126	2.00	5.19	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	7.48	125	6.00	5.52	
Total BTEX	<0.300	0.300	03/09/2024	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	32.0	16.0	03/11/2024	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	03/09/2024	ND	210	105	200	1.87	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	222	111	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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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.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





# Chain of Custody

Work Order No: #241200

Page 3 of 3

Project Manager:	Mike Carmona	Bill to: (if different)	Montgomery Floyd
Company Name:	Carmona Resources	Company Name:	montgomery.floyd@permianres.com
Address:	310 W Wall St Ste 500	Address:	300 N Marienfeld St Ste 1000
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-1992	Phone:	432-425-8321

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

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes						
Project Number:	2246	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date:	24 HR															
Project Location	Lea County, New Mexico																				
Sampler's Name:	MM																				
PO #:																					
<b>SAMPLE RECEIPT</b>		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>															None: NO    DI Water: H <sub>2</sub> O	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140																Cool: Cool    MeOH: Me		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:																	HCL: HC    HNO <sub>3</sub> : HN		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	-1.7c																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na		
Total Containers:		Corrected Temperature:																	H <sub>3</sub> PO <sub>4</sub> : HP		
																				NaHSO <sub>4</sub> : NABIS	
																				Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>	
																				Zn Acetate+NaOH: Zn	
																				NaOH+Ascorbic Acid: SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500											HOLD	Sample Comments
CS-254 (2.5')	3/8/2024		X		C	1	X	X	X												21
CS-223 (2.0')	3/8/2024		X		C	1	X	X	X												22
SW-25 (2.0')	3/8/2024		X		C	1	X	X	X												23

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3/8/24 1505		



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

---

March 27, 2024

MIKE CARMONA

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CARNE ASADA STATE 501H 502H

Enclosed are the results of analyses for samples received by the laboratory on 03/22/24 9:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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  
 MIKE CARMONA  
 310 W WALL ST, SUITE 500  
 MIDLAND TX, 79701  
 Fax To:

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	CARNE ASADA STATE 501H 502H	Sampling Condition:	Cool & Intact
Project Number:	2246	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO, NM		

**Sample ID: CS- 251 ( 3' ) (H241503-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2024	ND	2.23	112	2.00	2.02	
Toluene*	<0.050	0.050	03/26/2024	ND	2.18	109	2.00	1.89	
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.12	106	2.00	2.10	
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.16	103	6.00	2.07	
Total BTEX	<0.300	0.300	03/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/25/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	202	101	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	194	96.9	200	0.0155	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 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



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

QUESTIONS

Action 413020

**QUESTIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 413020
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2222056421
Incident Name	NAPP2222056421 MARGARITA 12/CARNE ASADA SC 501H/502H @ 30-025-46021
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-025-46021] CARNE ASADA STATE COM #501H

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	MARGARITA 12/CARNE ASADA SC 501H/502H
Date Release Discovered	08/07/2022
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other   Flow Line - Production   Produced Water   Released: 41 BBL   Recovered: 31 BBL   Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	A closed valve on the frac manifold associated with Margarita frac activities caused high line pressure resulting in the rupture of the lay flat line.

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Action 413020

**QUESTIONS (continued)**

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**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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.

I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 12/20/2024
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QUESTIONS, Page 3

Action 413020

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 413020
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1/2 and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	4680
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	30
GRO+DRO (EPA SW-846 Method 8015M)	30
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	02/12/2024
On what date will (or did) the final sampling or liner inspection occur	03/22/2024
On what date will (or was) the remediation complete(d)	05/09/2024
What is the estimated surface area (in square feet) that will be reclaimed	40877
What is the estimated volume (in cubic yards) that will be reclaimed	1664
What is the estimated surface area (in square feet) that will be remediated	40877
What is the estimated volume (in cubic yards) that will be remediated	1664

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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Action 413020

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 413020
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 12/20/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 413020

**QUESTIONS (continued)**

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	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 413020

**QUESTIONS (continued)**

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	Action Number: 413020
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>324978</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>03/22/2024</b>
What was the (estimated) number of samples that were to be gathered	<b>1</b>
What was the sampling surface area in square feet	<b>200</b>

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	40877
What was the total volume (cubic yards) remediated	1664
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	40877
What was the total volume (in cubic yards) reclaimed	1664
Summarize any additional remediation activities not included by answers (above)	Remediation and reclamation activities have been completed at the site.

*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 (in .pdf format) 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.*

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.

I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 12/20/2024
--	--

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Action 413020

**QUESTIONS (continued)**

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	Action Number: 413020
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	40877
What was the total volume of replacement material (in cubic yards) for this site	1664
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	05/09/2024
Summarize any additional reclamation activities not included by answers (above)	Site was reseeded with homesteaders' choice as per the request from the land lessee.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 12/20/2024

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Action 413020

**QUESTIONS (continued)**

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	Action Number: 413020
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Revegetation Report</b>	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 413020

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Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
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	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**CONDITIONS**

Created By	Condition	Condition Date
nvez	None	3/19/2025