

#### SITE INFORMATION

Closure Report Bloomin Onion Frac Line Eddy County, New Mexico Unit B Sec 03 T20S R30E 32.60936°, -103.95825°

Incident ID: NAPP2424137423

Produced Water Release
Point of Release: Lay Flat Transfer Line Disconnect

**Release Date: 08/15/24** 

Volume Released: 49 barrels of Produced Water Volume Recovered: 20 barrels of Produced Water

# CARMONA RESOURCES



Prepared for: Mewbourne Oil Company 4801 Business Park Blvd Hobbs, New Mexico 88240

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



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February 6, 2025

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

**Re:** Closure Report

Bloomin Onion Frac Line Incident ID: NAPP2424137423 Mewbourne Oil Company

Site Location: Unit B, S03, T20S, R30E (Lat 32.60936°, Long -103.95825°)

**Eddy County, New Mexico** 

#### Mr. Bratcher:

On behalf of Mewbourne Oil Company (Mewbourne), Carmona Resources LLC has prepared this letter to document site activities for the Bloomin Onion Frac Line. The site is located at 32.60936°, -103.95825° within Unit B, S03, T20S, R30E, in Eddy County, New Mexico (Figures 1 and 2).

#### 1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 15, 2024, due to a lay flat water transfer line coming apart at a connection. The incident released forty-nine (49) barrels of produced water along the lease road and in the pasture, with twenty (20) barrels recovered. The release occurred within the suspected boundaries of a nearby Playa Lake located to the Southeast. Refer to Figures 1 and 2. The Notification of Release is attached in Appendix C.

The NMOCD approved a work plan on December 6, 2024, to remove the 1' from the area of concern and leave the rest of the material in place. The approval of the work plan and correspondence from the NMOCD can be found in Appendix C.

#### 2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, two known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.33 miles Southeast of the site in S03, T20S, R30E, and was drilled in 1948. The well has a reported depth to groundwater at 5.96 feet below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

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## 3.0 NMAC Regulatory Criteria

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

• Benzene: 10 milligrams per kilogram (mg/kg).

• Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.

• TPH: 100 mg/kg (GRO + DRO + MRO).

• Chloride: 600 mg/kg.

## **4.0 Site Assessment Activities**

#### **Initial Assessment Activities**

On September 13, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release and investigate the surrounding Playa Lake. Three sample points (S-1 through S-3) and four (4) horizontal samples (H-1 through H-4) were advanced to depths ranging from the surface to 5' bgs inside and surrounding the release area to assess the vertical extent. See Figure 3A for the sample locations. Twenty-five (25) background samples (BG-1 through BG-25) were also collected down to a depth of 2' bgs throughout the area to delineate and characterize the surrounding Playa Lake conditions. The background samples were collected in all cardinal directions, ranging from 0.02 to 0.70 miles from the spill area. See Figures 3B and 3C for the background sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

#### Vertical Delineation of the Area of Concern

Vertical delineation could not be achieved because all sample points encountered and filtered water between 50"-52" bgs. Refer to Table 1.

#### Horizontal Delineation of the Area of Concern

All horizontal samples collected around the perimeter of the spill displayed chloride levels above regulatory thresholds. Refer to Table 1.

## **Background Sampling Results**

Out of the 25 collected background samples, only three (BG-17, BG-18, and BG-25) displayed chloride levels below regulatory criteria. These samples were located at higher elevations than the Playa Lake basin and contained lithological differences. Twenty-two (22) of the twenty-five (25) collected background samples displayed elevated chloride levels ranging from 923 mg/kg to 15,700 mg/kg. Refer to Table 1. Please see Figures 5A through 5E for a visual contour map of the chloride concentrations in the area.

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## Soil Assessment Interpretation

After comparing the sample point chloride levels and the surrounding background chloride levels, the spill that occurred in the Playa Lake boundary does not have a higher chloride concentration than the natural Playa Lake chloride levels. Although the release had a chloride impact, it is not of greater concentration than that of the natural environment.

#### Water Assessment Activities

On September 20, 2024, Carmona Resources, LLC returned to the site to collect water samples from the Playa Lake, S-2 Sample Point and produced water from the Water Bridge Riser (source water) for contaminant comparison. See Figure 4 for the water sample locations. The water samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

# Water Sampling Results

Based on the lab analytical data, all three collected water samples displayed elevated chloride concentrations above regulatory thresholds. The Playa Lake water contained a chloride concentration of 88,800 mg/kg, the S-2 sample point chloride concentration was 5,940 mg/kg, and the Water Bridge Riser Water was 63,600 mg/kg.

### Water Assessment Interpretation

The chloride concentration levels in the Playa Lake water are exceptionally greater than those in the produced water that stemmed from the release. The water from the release does not seem to impact the groundwater within the area of concern when compared with the water collected from the S-2 sample point. Although chloride impact was seen in the water within the area of concern, the concentration of the source water is still vastly different.

#### **5.0 Excavation Activities**

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via the NMOCD portal on January 6, 2025, per Subsection D of 19.15.29.12 NMAC. See NMOCD correspondence in Appendix C. A total of seventy-five (75) confirmation floor samples (CS-1 through CS-75) and twenty-four (24) sidewall samples (SW-1 through SW-24) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 6A & 6B. All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2 for the analytical results.

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Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. A composite backfill sample was collected at the Twin Wells Ranch Pit and analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of the laboratory analysis and chain-of-custody documentation are included in Appendix E.

Approximately 513 cubic yards of material were excavated and transported offsite for proper disposal.

### **6.0 Conclusions**

Based on the assessment results and the analytical data, no further actions are required at the site. Mewbourne 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

Conner Moehring

Environmental Manager

Ivan Ramos

Project Manager

# **FIGURES**

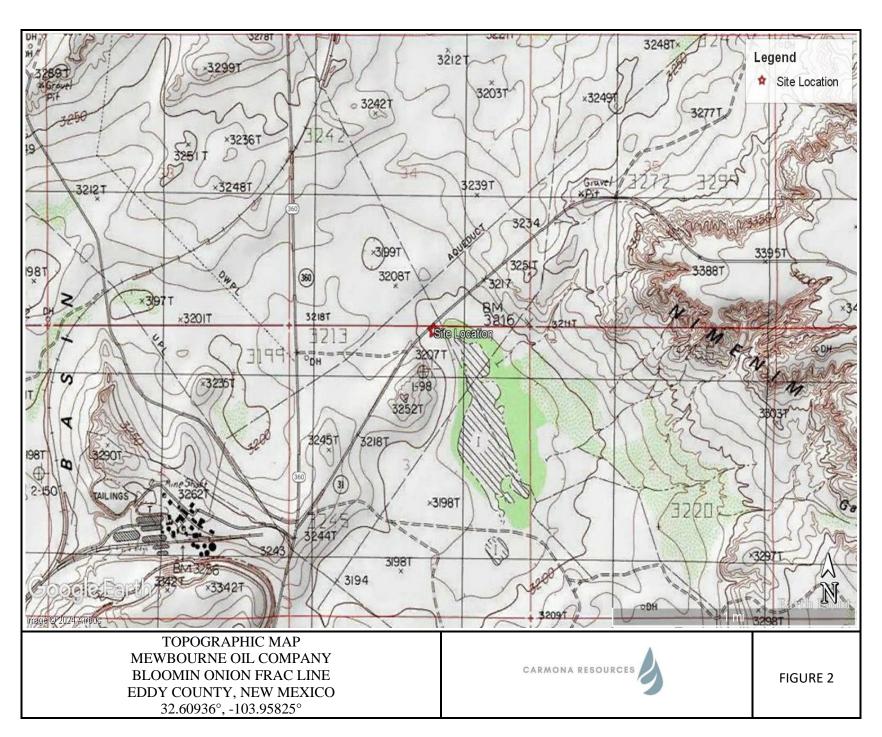
# CARMONA RESOURCES

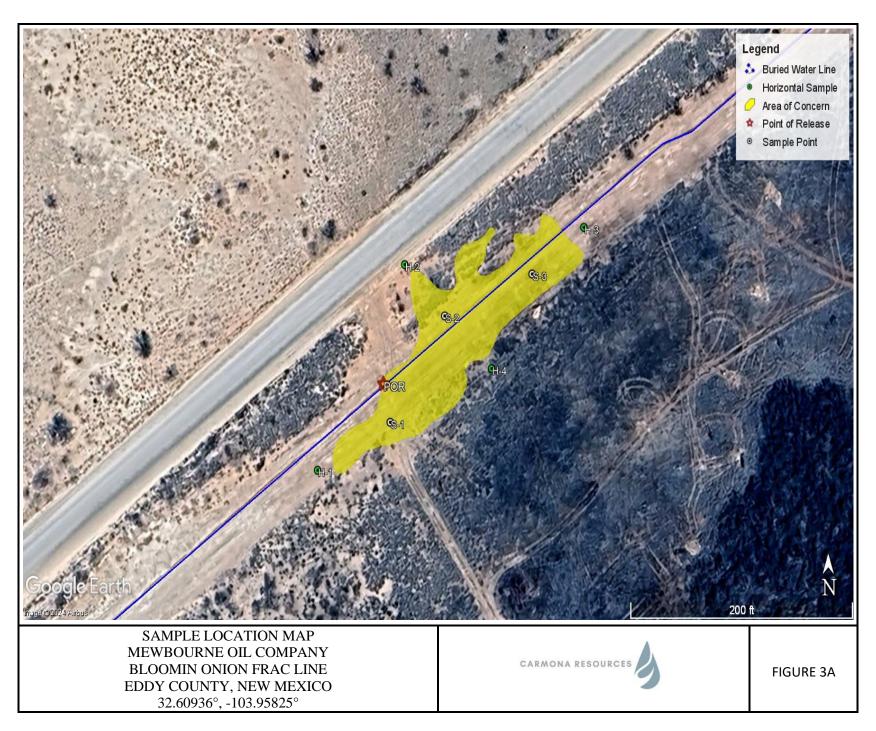


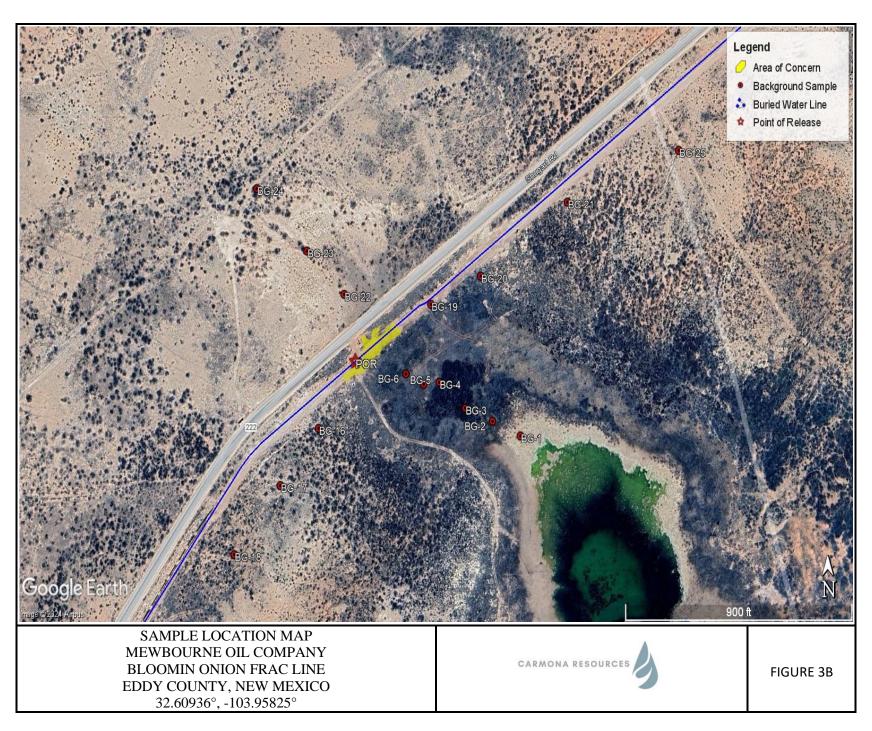
OVERVIEW MAP MEWBOURNE OIL COMPANY BLOOMIN ONION FRAC LINE EDDY COUNTY, NEW MEXICO 32.60936°, -103.95825°

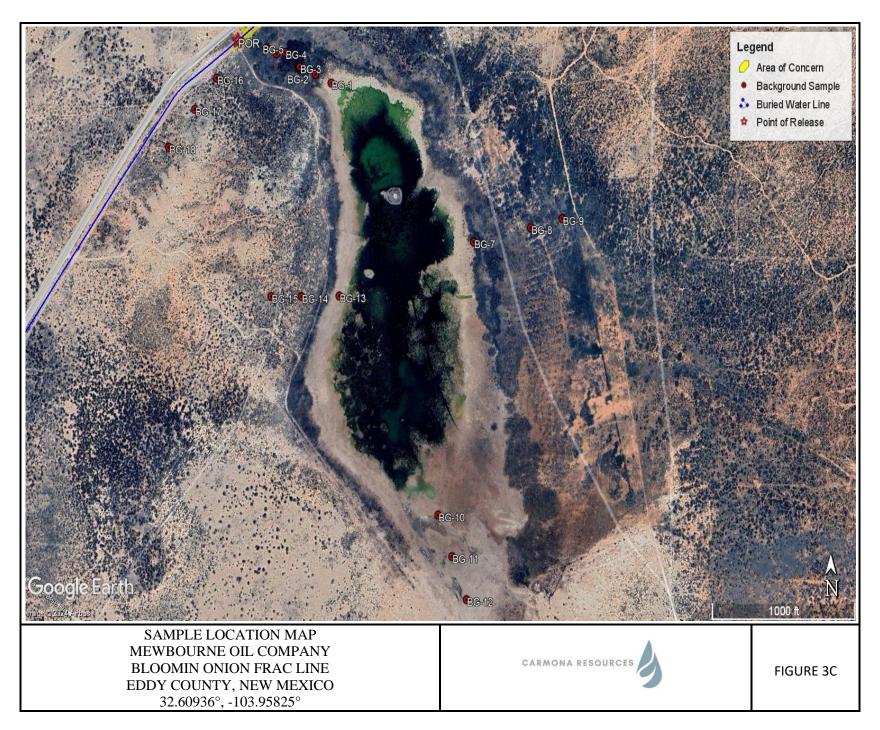


FIGURE 1

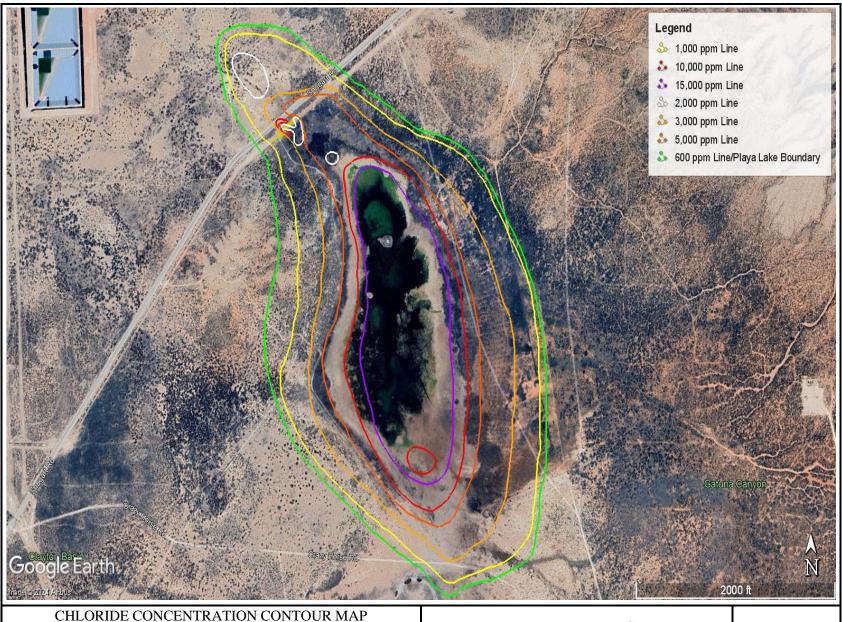








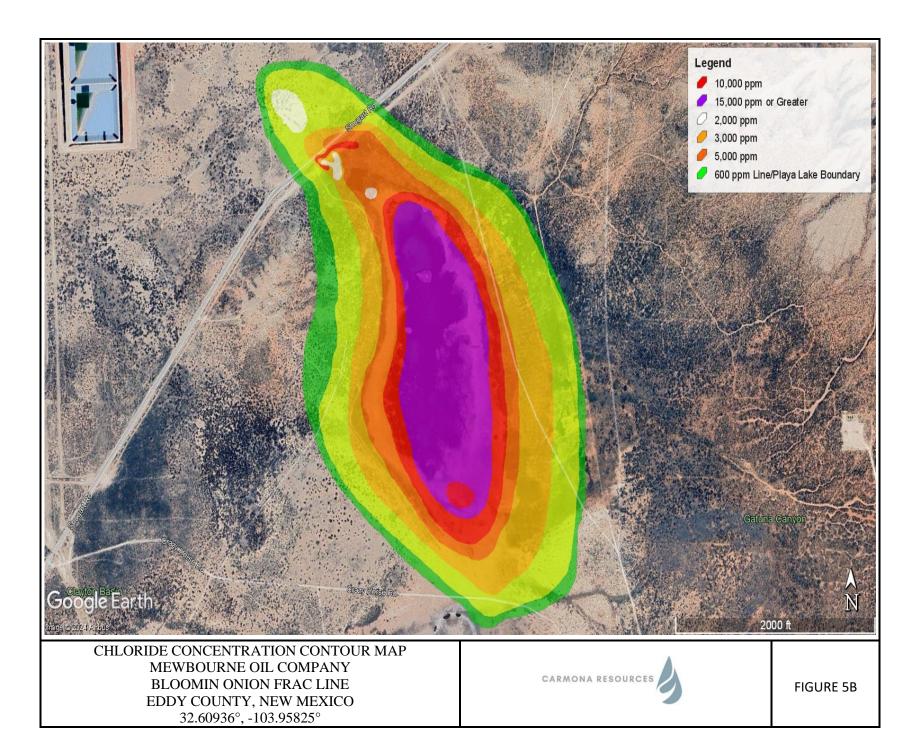


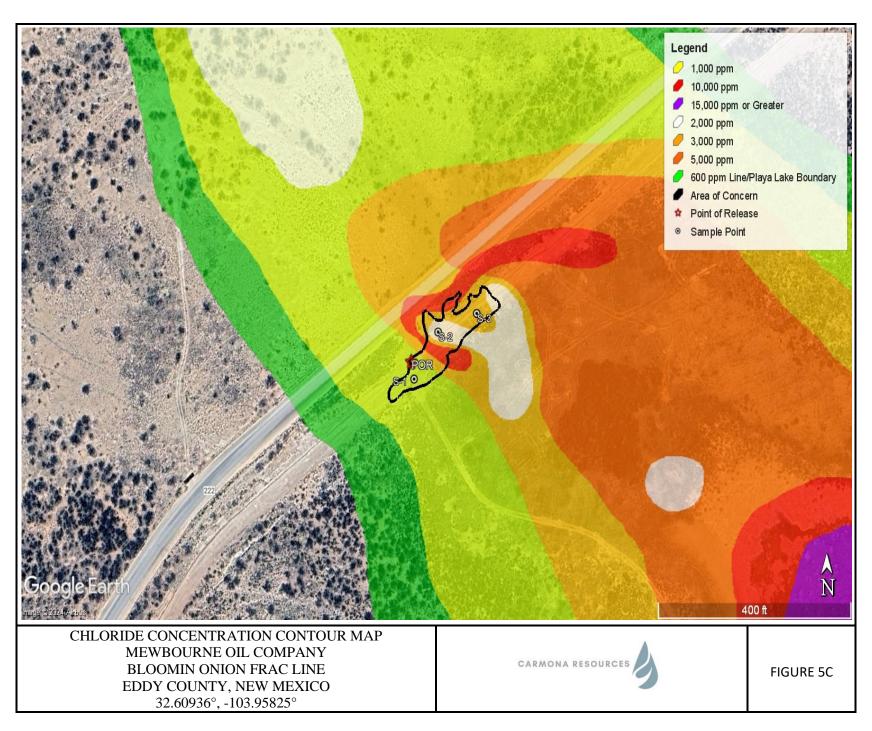


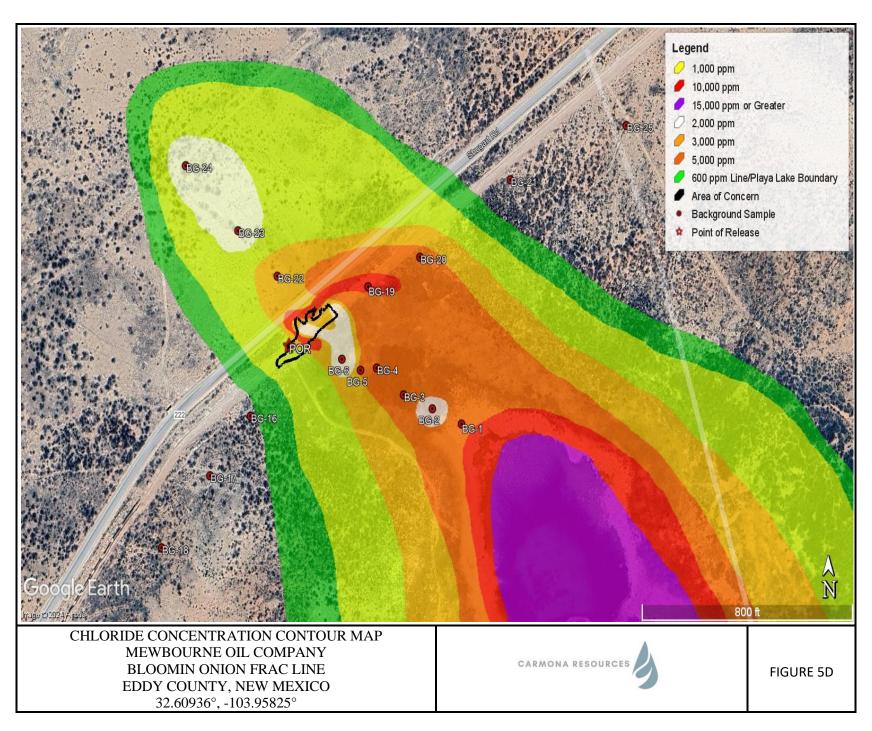
CHLORIDE CONCENTRATION CONTOUR MAP MEWBOURNE OIL COMPANY BLOOMIN ONION FRAC LINE EDDY COUNTY, NEW MEXICO 32.60936°, -103.95825°

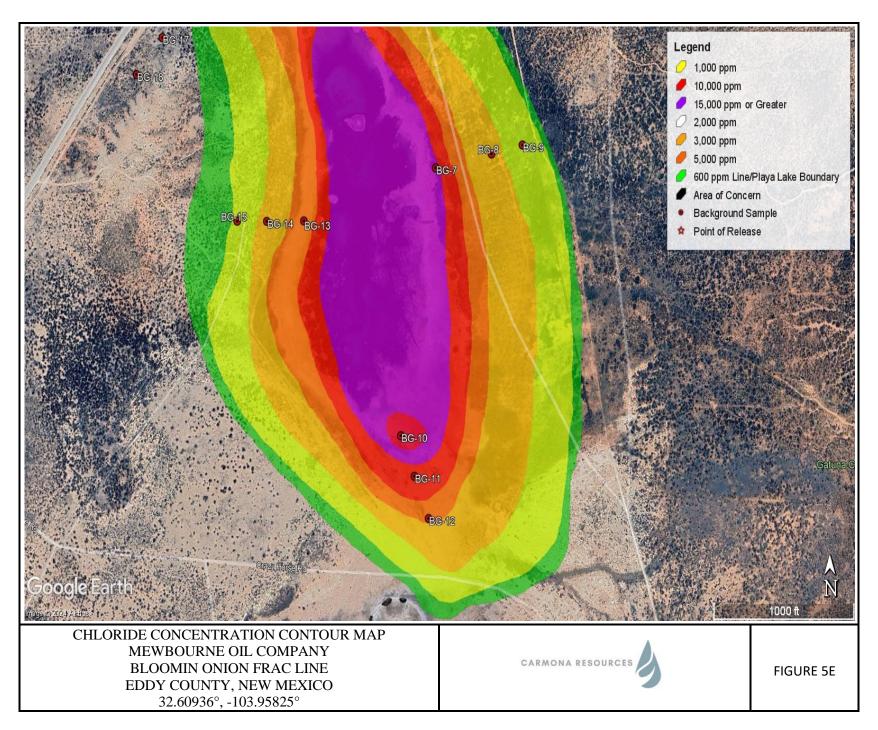


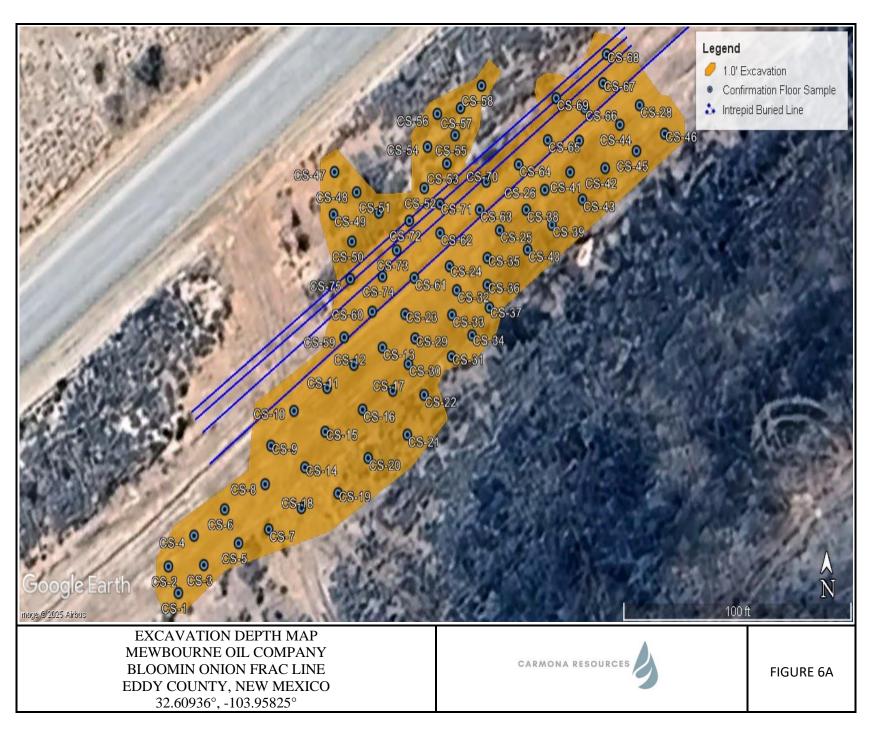
FIGURE 5A

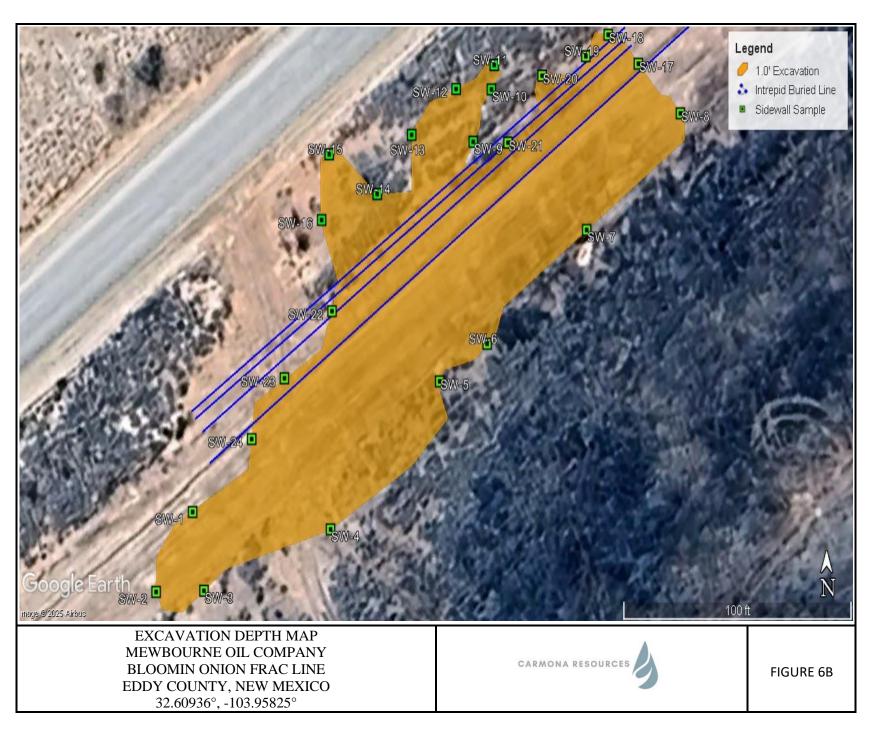












# **APPENDIX A**



Table 1
Mewbourne Oil Company
Bloomin Onion Frac Line
Eddy County, New Mexico

											Total	
Sample ID	Date	Depth (ft)		TPH	(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample 1D	Date	Deptii (it)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	886
	"	2'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,380
S-1	"	3'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	947
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	833
	"	5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	774
	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,120
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,540
S-2	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,630
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,720
	"	5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,480
	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	758
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	653
S-3	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	710
	"	4'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	714
	"	5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	784
H-1	9/13/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	0.0184	0.0184	1,250
H-2	9/13/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	12,000
H-3	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,150
H-4	9/13/2024	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	14,100
Regulat	ory Criteria A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
(-) No	t Analyzed											

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

(S) Sample Point

(H) Horizontal Removed

Table 1
Mewbourne Oil Company
Bloomin Onion Frac Line
Eddy County, New Mexico

0	D-11	Davide (60)		TPH	(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
BG-1	9/13/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	9,380
BG-1	"	2'	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,440
BG-2	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	2,790
BG-2	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,600
BG-3	9/13/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,380
BG-3	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,180
BG-4	9/13/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,300
BG-4	"	2'	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	5,280
BG-5	9/13/2024	0-1'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,660
BG-6	9/13/2024	0-1'	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,610
BG-6	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	923
BG-7	9/13/2024	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15,700
BG-7	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,670
BG-8	9/13/2024	0-1'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	990
	"	2'	<50.4	69.2	<50.4	69.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,660
BG-9	9/13/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	2220
BG-9	"	2'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,370
BG-10	9/13/2024	0-1'	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,460
BG-10	"	2'	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	5,340
BG-11	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	14,800
BG-11	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	13,400
BG-12	9/13/2024	0-1'	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	5,220
DG-12	"	2'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	4,640
	ry Criteria <sup>A</sup>					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

Table 1
Mewbourne Oil Company
Bloomin Onion Frac Line
Eddy County, New Mexico

Commis ID	Dete	Donath (f4)		TPH	(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BG-13	9/13/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,590
20 10	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,910
BG-14	9/13/2024	0-1'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,230
BO-14	"	2'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,670
BG-15	9/13/2024	0-1'	<50.4	<50.4	<50.4	<50.4	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,090
BG-13	II .	2'	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,000
BG-16	9/13/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	579
BG-16	"	2'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	943
BG-17	9/13/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	31.7
BG-17	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	6.21
BG-18	9/13/2024	0-1'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	15.9
BG-16	"	2'	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	9.78
BG-19	9/13/2024	0-1'	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	10,100
BG-19	"	2'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,230
BG-20	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,870
50 20	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	4,790
BG-21	9/13/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	32.9
2021	"	2'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,020
BG-22	9/13/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,290
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,940
BG-23	9/13/2024	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,440
	"	2'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,630
BG-24	9/13/2024	0-1'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,590
20 24	"	2'	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,000
BG-25	9/13/2024	0-1'	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	7.57
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5.38
Regulato	ry Criteria A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

Table 1
Mewbourne Oil Company
Bloomin Onion Frac Line
Eddy County, New Mexico

Occupie ID	Data	Danille (ft)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)			BTEX (mg/kg)	(mg/kg)
Playa Lake Water	9/20/2024	-	<5.23	<5.23	<5.23	<5.23	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	88,800
Water Bridge Riser Water	9/20/2024	-	<4.95	<4.95	<4.95	<4.95	3.75	0.722	0.0477	0.238	4.76	63,600
Water Bridge Riser Water  Auger Hole Water	9/20/2024	-	<4.95 <5.07	<4.95 <5.07	<4.95 <5.07	<4.95 <5.07	3.75	0.722		0.238	4.76	63,600 5,940

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons

ft - feet

Table 2
Mewebourne Oil Company
Bloomin Onion Frac Line
Eddy County, New Mexico

Sample ID	Date	Depth (ft)		TPI	H (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene (mg/kg)	Total BTEX	Chloride (mg/kg)
			GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)	
CS-1	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,060
CS-2	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,530
CS-3	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,000
CS-4	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,000
CS-5	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,530
CS-6	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,260
CS-7	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,340
CS-8	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,580
CS-9	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,490
CS-10	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,420
CS-11	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	848
CS-12	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,380
CS-13	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,470
CS-14	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,920
CS-15	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,400
CS-16	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,640
CS-17	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,000
CS-18	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,840
CS-19	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,200
CS-20	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,360
CS-21	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,040
CS-22	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,640
CS-23	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,280
CS-24	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,160
CS-25	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,120
CS-26	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,600
Regulato	ry Criteria <sup>A</sup>					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

Table 2
Mewebourne Oil Company
Bloomin Onion Frac Line
Eddy County, New Mexico

Sample ID	Date	Depth (ft)		TPI	H (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene (mg/kg)	Total BTEX	Chloride (mg/kg)
			GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)	
CS-27	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,120
CS-28	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,640
CS-29	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,900
CS-30	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,420
CS-31	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,520
CS-32	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,810
CS-33	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,400
CS-34	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,800
CS-35	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,200
CS-36	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,200
CS-37	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,040
CS-38	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,960
CS-39	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,240
CS-40	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,240
CS-41	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,000
CS-42	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,920
CS-43	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,560
CS-44	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,160
CS-45	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,760
CS-46	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1840.0
CS-47	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,600
CS-48	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,720
CS-49	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,970
CS-50	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,970
CS-51	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,840
CS-52	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,000
	ry Criteria A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

Table 2
Mewebourne Oil Company
Bloomin Onion Frac Line
Eddy County, New Mexico

Sample ID	Date	Depth (ft)		TPI	H (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene (mg/kg)	Total BTEX	Chloride (mg/kg)
			GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)	
CS-53	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,290
CS-54	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,280
CS-55	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,080
CS-56	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,120
CS-57	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,440
CS-58	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,570
CS-59	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,760
CS-60	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,210
CS-61	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,640
CS-62	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,760
CS-63	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,640
CS-64	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,500
CS-65	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,140
CS-66	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,480
CS-67	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,170
CS-68	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,680
CS-69	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,480
CS-70	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,720
CS-71	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,600
CS-72	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,120
CS-73	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,410
CS-74	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,760
CS-75	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,480
SW-1	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,440
SW-2	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,400
SW-3	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,960
Regulato	ry Criteria <sup>A</sup>					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

Table 2
Mewebourne Oil Company
Bloomin Onion Frac Line
Eddy County, New Mexico

2 1 12		(I)		TPI	H (mg/kg)		Benzene	Toluene	Ethlybenzene		Total BTEX	
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	Xylene (mg/kg)	(mg/kg)	Chloride (mg/kg)
SW-4	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,720
SW-5	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,970
SW-6	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,920
SW-7	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,240
SW-8	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,080
SW-9	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,920
SW-10	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,160
SW-11	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,640
SW-12	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,080
SW-13	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,600
SW-14	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,920
SW-15	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,040
SW-16	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,880
SW-17	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,120
SW-18	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,720
SW-19	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,240
SW-20	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,480
SW-21	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,160
SW-22	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,600
SW-23	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,880
SW-24	1/9/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,630
Twin Wells Ranch	1/21/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	ry Criteria <sup>A</sup> Analyzed					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

# **APPENDIX B**

# CARMONA RESOURCES

**Mewbourne Oil Company** 

#### Photograph No. 1

**Facility:** Bloomin Onion Frac Line (08.15.24)

County: Eddy County, New Mexico

**Description:** 

View West, area of CS-1 through CS-8.



#### Photograph No. 2

Facility: Bloomin Onion Frac Line (08.15.24)

County: Eddy County, New Mexico

**Description:** 

View West, area of CS-9 through CS-22.



#### Photograph No. 3

**Facility:** Bloomin Onion Frac Line (08.15.24)

County: Eddy County, New Mexico

**Description:** 

View West, area of CS-23 through CS-45.



#### **Mewbourne Oil Company**

# Photograph No. 4

**Facility:** Bloomin Onion Frac Line (08.15.24)

County: Eddy County, New Mexico

**Description:** 

View South, area of CS-46 through CS-51.



#### Photograph No. 5

**Facility:** Bloomin Onion Frac Line (08.15.24)

County: Eddy County, New Mexico

**Description:** 

View Southeast, area of CS-52 through CS-58.



#### Photograph No. 6

**Facility:** Bloomin Onion Frac Line (08.15.24)

County: Eddy County, New Mexico

**Description:** 

View South, area of CS-59 through CS-75.



#### **Mewbourne Oil Company**

#### Photograph No. 7

**Facility:** Bloomin Onion Frac Line (08.15.24)

County: Eddy County, New Mexico

**Description:** 

View East of backfilled area.



#### Photograph No. 8

**Facility:** Bloomin Onion Frac Line (08.15.24)

County: Eddy County, New Mexico

**Description:** 

View Southeast of backfilled area.



#### Photograph No. 9

**Facility:** Bloomin Onion Frac Line (08.15.24)

County: Eddy County, New Mexico

**Description:** 

View Southeast of backfilled area.



**Mewbourne Oil Company** 

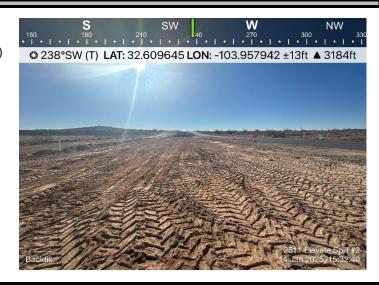
#### Photograph No. 10

**Facility:** Bloomin Onion Frac Line (08.15.24)

County: Eddy County, New Mexico

#### **Description:**

View Southwest of backfilled area.



#### Photograph No. 11

**Facility:** Bloomin Onion Frac Line (08.15.24)

County: Eddy County, New Mexico

#### **Description:**

View Southwest of backfilled area.



#### Photograph No. 12

**Facility:** Bloomin Onion Frac Line (08.15.24)

County: Eddy County, New Mexico

## **Description:**

View Southwest of backfilled area.



# **APPENDIX C**

# CARMONA RESOURCES

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

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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**

QUESTIONS

Action 378717

#### **QUESTIONS**

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	378717
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

#### QUESTIONS

ocation of Release Source						
Please answer all the questions in this group.						
Site Name	Bloomin Onion Frac Line					
Date Release Discovered	08/15/2024					
Surface Owner	Federal					

Incident Details						
Please answer all the questions in this group.						
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					

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error   Pipeline (Any)   Produced Water   Released: 49 BBL   Recovered: 20 BBL   Lost: 29 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)	Not answered.

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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, Page 2

Action 378717

QUESTIONS	(continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	378717
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

#### QUESTIONS

Nature and Volume of Release (continued)		
No, according to supplied volumes this does not appear to be a "gas only" report.		
Yes		
From paragraph A. "Major release" determine using:  (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.		

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	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	

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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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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**

ACKNOWLEDGMENTS

Action 378717

#### **ACKNOWLEDGMENTS**

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	378717
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

#### **ACKNOWLEDGMENTS**

✓	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
V	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
V	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
V	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.
V	I acknowledge the fact that 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.
V	I acknowledge the fact that, 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.

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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** 

CONDITIONS

Action 378717

#### **CONDITIONS**

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	378717
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

#### CONDITIONS

Created By	Condition	Condition Date
c.walker	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	8/28/2024

District I
1625 N. French Dr., Hobbs, NM 88240
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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	
District RP	
Facility ID	
Application ID	

# **Release Notification**

## **Responsible Party**

Responsible Party Mewbourne Oil Company				OGRID 14744			
Contact Name Connor Walker			Contact Telephone 806-202-5281				
Contact ema	il cwalk	er@mewbourne.c	om		Incident	t # (assigned by OCD) nAPP2424137423	
Contact mail	ling address	4801 Business l	Park Blvd, Hobbs	s, NM 8	8240		
			Locatio	n of R	Release S	Source	
Latitude 32.6	50936				Longitude	e -103.95825	
			(NAD 83 in 6	decimal de	grees to 5 dec		
Site Name Bl	oomin Onic	on Frac Line			Site Type	be Frac Line (Surface)	
Date Release	Discovered	8/15/2024			API# (if ap		
Unit Letter	Section	Township	Range		Cou	ounty	
В	3	20S	30E	Edd	y		
Surface Owne		⊠ Federal □ T	Nature ar	nd Vo	lume of	f Release	
Crude Oi		Volume Release		ch calcula	tions or specifi	ons or specific justification for the volumes provided below)  Volume Recovered (bbls)	
Produced	Water	Volume Releas	ed (bbls) 49			Volume Recovered (bbls) 20	
Is the concentration of dissolved chloride produced water >10,000 mg/l?		e in the	· /				
Condensate Volume Released (bbls)			Volume Recovered (bbls)				
☐ Natural Gas Volume Released (Mcf)				Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide units		)	Volume/Weight Recovered (provide units)				
Cause of Rel	ease	1				. I	
A lay flat wa	ter transfer	line came apart at	a connection.				

Received by OCD: 2/7/2025/2:220 PMM State of New Mexico Page 2 Oil Conservation Division

P	agē	Age	of 4	$\theta 4$
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Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release? The release was greater than 25 bbls.					
19.15.29.7(A) NMAC?	The felease was greater than 25 bols.					
⊠ Yes □ No						
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?  Notice was given by Jeff Broom to BLM < <u>BLM_NM_CFO_Spill@blm.gov</u> >; Enviro, OCD, EMNRD <ocd.enviro@emnrd.nm.gov>; <a href="mailto:mike.bratcher@emnrd.nm.gov">mike.bratcher@emnrd.nm.gov</a>; <a href="mailto:camorgan@blm.gov">camorgan@blm.gov</a> @ 7:27 PM via email on 8/15/2024.</ocd.enviro@emnrd.nm.gov>						
	Initial Response					
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury					
☐ The source of the rele	ase has been stopped.					
The impacted area has	s been secured to protect human health and the environment.					
Released materials ha	ve been contained via the use of berms or dikes, absorbent pads, or other containment devices.					
	coverable materials have been removed and managed appropriately.					
If all the actions described	l above have <u>not</u> been undertaken, explain why:					
has begun, please attach a	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.					
regulations all operators are a public health or the environm failed to adequately investiga	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have attended and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws					
Printed Name: Conno	or Walker Title: <u>Sr. Engineer</u>					
	Walh_					
Signature:	Date: _8/16/2024					
email: <u>cwalker</u>	@ mewbourne.com         Telephone: 806-202-5281					
OCD Only						
Received by:	Date:					

# **SPILL VOLUME CALCULATIONS**

INPUT DATA:			(click "Reset Page	e" button	to return all values to zero)				
	Total Area C	alculations				anding Liquid Calcu			
Total Surface Area			saturated soil depth	% oil	Total Surface Area			liquia	% oil
			<u>.</u>					depth	
Known Area #1	o acres or	13,939 sq. ft.	3 in	0%	Known Area #1	0 acres or	0 sq. ft.	0 in	0%
Known Area #2	o acres or	0 sq. ft.	0 in	0%	Known Area #2	0 acres or	0 sq. ft.	0 in	0%
Known Area #3	0 acres or	0 sq. ft.	0 in	0%	Known Area #3	0 acres or	0 sq. ft.	<mark>0</mark> in	0%
Known Area #4	0 acres or	0 sq. ft.	0 in	0%	Known Area #4	0 acres or	0 sq. ft.	0 in	0%
	width	length				width	length		
Rectangle Area #1	0 ft	0 ft	0 in	0%	Rectangle Area #1	0 ft	0 ft	0 in	0%
Rectangle Area #2	0 ft	0 ft	0 in	0%	Rectangle Area #2	0 ft	0 ft	<mark>0</mark> in	0%
Rectangle Area #3	<b>0</b> ft	0 ft	0 in	0%	Rectangle Area #3	<b>0</b> ft	0 ft	0 in	0%
Rectangle Area #4	<b>0</b> ft	0 ft	0 in	0%	Rectangle Area #4	<b>0</b> ft	0 ft	0 in	0%
			saturated					iiquia	
di	iameter		soil depth	% oil	di	iameter		depth	% oil
Circle Area #1	0 ft		0 in	0%	Circle Area #1	0 ft	<u> </u>	0 in	0%
Circle Area #2	0 ft		0 in	0%	Circle Area #2	0 ft		<mark>0</mark> in	0%
Circle Area #3	0 ft		0 in	0%	Circle Area #3	0 ft		<mark>0</mark> in	0%
Circle Area #4	0 ft		0 in	0%	Circle Area #4	0 ft		0 in	0%

Amount of Free Liquid Recovered:	bbl	Percentage of Oil in Free Liquid Recovered:	0%
Liquid Holding Factor*:	0.08 gal liquid/gal soil		
(see below)			
Use the following when the spill wets the grains of the soil.		Use the following when the liquid completely fills the pore space of the soil:	
* sand = .08 gallon liquid per gallon volume of soil.		Occurs when the spill soaked soil is contained by barriers, natural (or not).	
* gravelly (caliche) loam = .14 gallon liquid per gallon volume of	of soil.	* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.	
* sandy clay loam soil = .14 gallon liquid per gallon volume of s	soil.	* sandy loam = .5 gallon liquid per gallon volume of soil.	
* clay loam = .16 gallon liquid per gallon volume of soil.			

Saturated Soil Volume Calculations			Free Liquid Vol	ume Calculations	
				Water	<u>Oil</u>
Total Contaminated Volume:	3,484.8 cu. ft.	129.1 yds.	Total Free Liquid:	0.0 BBL	0.0 BBL
Estimated Volumes Spilled			Estimated S	urface Damage	
	<u>Water</u>	<u>Oil</u>	Surface Area:	13,939.0 sq. ft.	
Liquid in Soil:	49.6 BBL	0.0 BBL	Surface Area:	0.3 acres	
Free Liquid:	0.0 BBL	0.0 BBL			
Free Liquid Recovered:	0.0 BBL	0.0 BBL	Recovere	ed Volumes	
			Estimated oil recovered:	0.0 BBL	
Total Liquid Spilled:	49.6 BBL	0.0 BBL	Estimated water recovered:	0.0 BBL	
	2,085.3 gal	0.0 gal			

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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 378723

#### **QUESTIONS**

ı	Operator:	OGRID:
ı	MEWBOURNE OIL CO	14744
ı	P.O. Box 5270	Action Number:
	Hobbs, NM 88241	378723
ı		Action Type:
ı		[C-141] Initial C-141 (C-141-v-Initial)

#### QUESTIONS

Prerequisites			
Incident ID (n#)	nAPP2424137423		
Incident Name	NAPP2424137423 BLOOMIN ONION FRAC LINE @ 0		
Incident Type	Produced Water Release		
Incident Status	Initial C-141 Received		

Location of Release Source				
Please answer all the questions in this group.				
Site Name	Bloomin Onion Frac Line			
Date Release Discovered	08/15/2024			
Surface Owner	Federal			

Incident Details				
Please answer all the questions in this group.				
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			

Nature and Volume of Release				
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.				
Crude Oil Released (bbls) Details	Not answered.			
Produced Water Released (bbls) Details	Cause: Human Error   Pipeline (Any)   Produced Water   Released: 49 BBL   Recovered: 20 BBL   Lost: 29 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)	Not answered.			

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1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 378723

Phone:(505) 476-3470 Fax:(505) 476-3462	
QUEST	IONS (continued)
Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	378723
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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.
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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ilation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for relethe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com

Date: 08/28/2024

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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, Page 3

Action 378723

QUESTIONS (	(continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	378723
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

#### 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)	Not answered.	
What method was used to determine the depth to ground water	Not answered.	
Did this release impact groundwater or surface water	Not answered.	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Not answered.	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.	
An occupied permanent residence, school, hospital, institution, or church	Not answered.	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.	
Any other fresh water well or spring	Not answered.	
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.	
A wetland	Not answered.	
A subsurface mine	Not answered.	
An (non-karst) unstable area	Not answered.	
Categorize the risk of this well / site being in a karst geology	Not answered.	
A 100-year floodplain	Not answered.	
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.	

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	No	
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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**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 378723

#### **CONDITIONS**

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	378723
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

#### CONDITIONS

Created By		Condition Date
scott.rodgers	None	8/28/2024

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 417482

#### **QUESTIONS**

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	417482
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2424137423
Incident Name	NAPP2424137423 BLOOMIN ONION FRAC LINE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	Bloomin Onion Frac Line
Date Release Discovered	08/15/2024
Surface Owner	Federal

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	6,915	
What is the estimated number of samples that will be gathered	42	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/08/2025	
Time sampling will commence	02:30 PM	
Please provide any information necessary for observers to contact samplers	Conner Moerhring (432) 813-6823	
Please provide any information necessary for navigation to sampling site	32.609433, -103.958044	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 417482

#### **CONDITIONS**

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	417482
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### CONDITIONS

Created By		Condition Date
c.walker	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.	1/6/2025

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS

Action 417483

#### **QUESTIONS**

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	417483
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2424137423
Incident Name	NAPP2424137423 BLOOMIN ONION FRAC LINE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source						
Site Name	Bloomin Onion Frac Line					
Date Release Discovered	08/15/2024					
Surface Owner	Federal					

Sampling Event General Information								
Please answer all the questions in this group.								
What is the sampling surface area in square feet	6,915							
What is the estimated number of samples that will be gathered	43							
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/09/2025							
Time sampling will commence	10:00 AM							
Please provide any information necessary for observers to contact samplers	Conner Moerhring (432) 813-6823							
Please provide any information necessary for navigation to sampling site	32.609433, -103.958044							

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 417483

#### **CONDITIONS**

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	417483
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### CONDITIONS

Created By	Condition	Condition Date
c.walker	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.	1/6/2025

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 393303

#### **CONDITIONS**

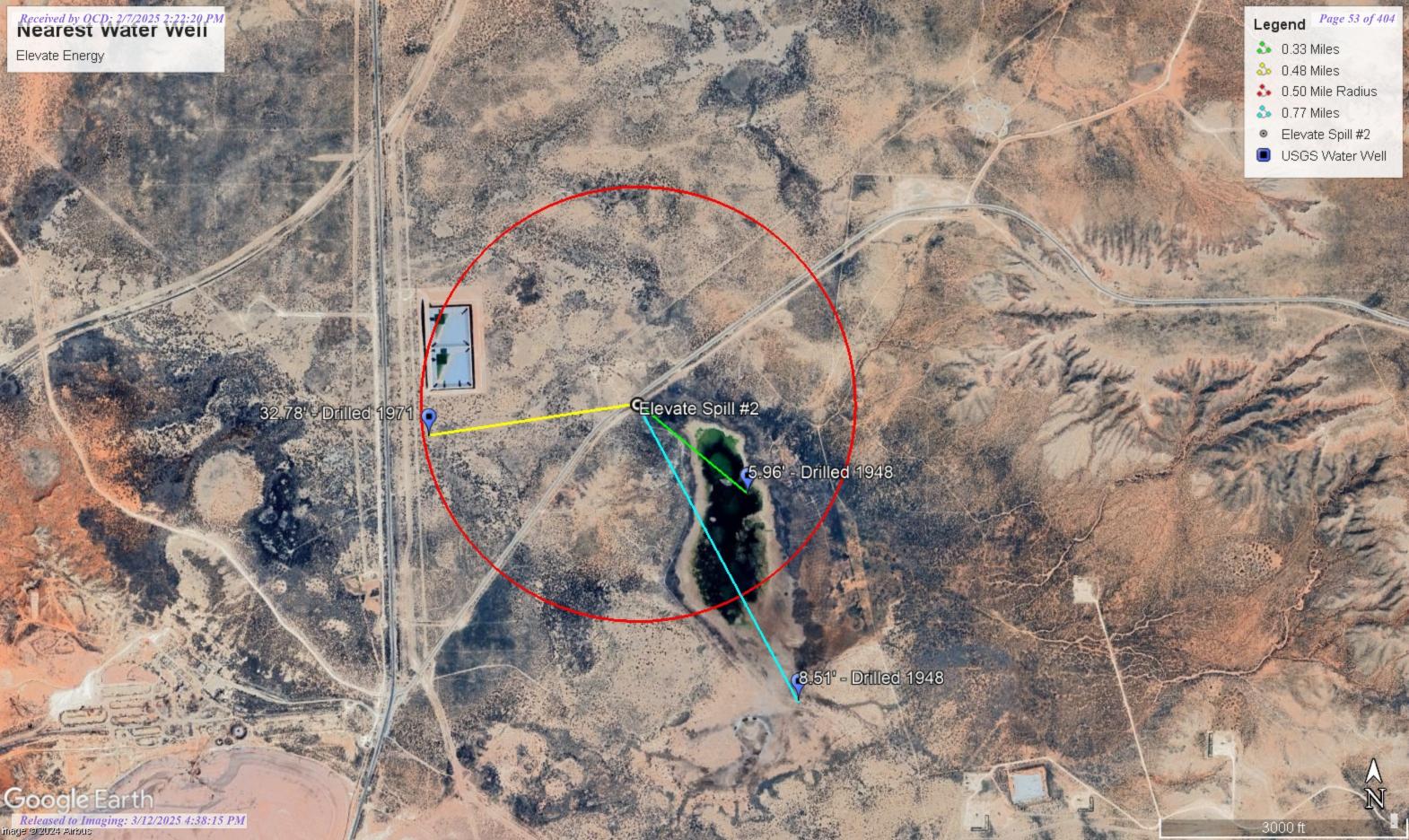
Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	393303
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

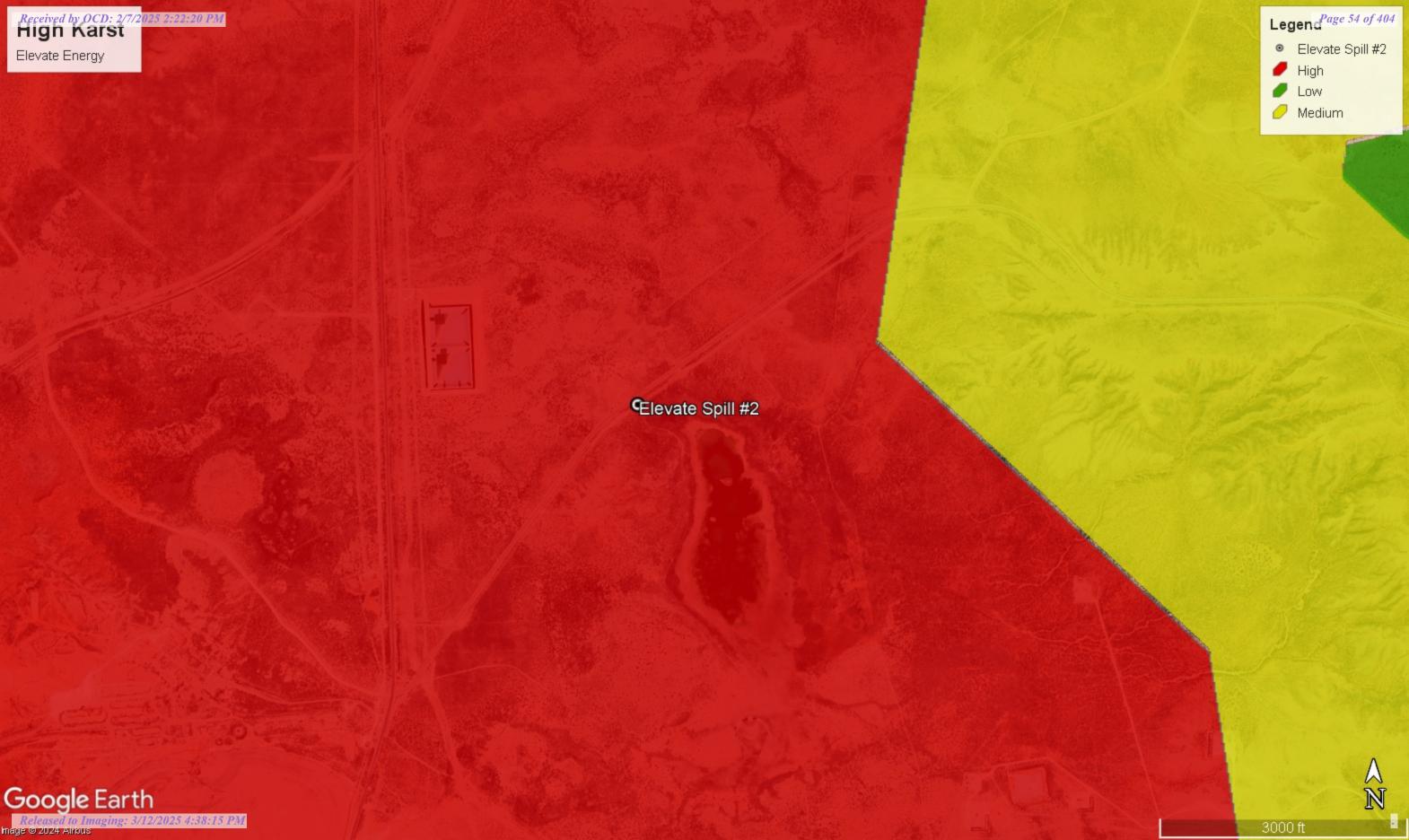
#### CONDITIONS

Created By		Condition Date
scott.rodg	The remediation plan is conditionally approved. Please excavate as close to H-2 and the road as safely possible. Five-point composite floor samples should be collected every 200 ft2. The work will need to occur in 90 days after the work plan has been reviewed.	12/6/2024

# **APPENDIX D**

# CARMONA RESOURCES







# 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 smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Мар	Distance	Well Depth		Water Column
<u>CP 00827 POD1</u>		CP	LE		SW	SW	35	19S	30E	598596.0	3608694.0 *	•	874	100		
CP 00828 POD1		CP	LE		NW	NW	35	19S	30E	598585.0	3609900.0 *	•	1659	90		
CP 00825 POD1		CP	LE		SW	SE	28	19S	30E	596164.0	3610282.0 *	•	2413	100		
<u>CP 00644 POD2</u>		CP	LE	NW	SE	SW	04	20S	30E	595689.0	3607164.0 *	•	2439	285	60	225
<u>CP 00645 POD2</u>		CP	LE	SW	SE	SW	04	20S	30E	595689.0	3606964.0 *	•	2551	296	62	234
<u>CP 00648 POD1</u>	R	CP	LE	SE	SW	SW	04	20S	30E	595488.0	3606960.0 *	•	2718	337	82	255
<u>CP 00648 POD2</u>		CP	ED	SE	SW	SW	04	20S	30E	595488.0	3606960.0 *	•	2718	330	75	255
<u>CP 00775</u>		CP	ED	NE	NW	SE	11	20S	30E	599515.0	3605981.0 *	•	3045	350	40	310

Average Depth to Water: 63 feet

Minimum Depth: 40 feet

Maximum Depth: 82 feet

**Record Count:** 8

#### **UTM Filters (in meters):**

**Easting:** 597752.45 **Northing:** 3608464.88

**Radius: 4000** 

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.

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



USGS Home Contact USGS Search USGS

**National Water Information System: Web Interface** 

**USGS** Water Resources

Data Category: Geographic Area:

Groundwater ✓ New Mexico ✓ GO

#### Click to hideNews Bulletins

• Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.

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

#### $\label{eq:minimum number of levels} \textbf{Minimum number of levels} = 1$

Save file of selected sites to local disk for future upload

#### USGS 323623103571401 20S.30E.03.22332

Eddy County, New Mexico

Latitude 32°36'23", Longitude 103°57'14" NAD27

Land-surface elevation 3,186 feet above NAVD88

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

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Out	put	for	mats
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Table of data					
Tab-separated data					
Graph of data					
Reselect period					

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1948-12-23		С	62610		3178.54	NGVD29	1	Z			Α
1948-12-23			62611		3180.04	NAVD88	1	Z			А
1948-12-23		0	72019	5.96			1	Z			Α

#### Explanation

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

**Questions or Comments** 

Help Data T

**Data Tips** 

Accessibility

Explanation of terms

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Page 57 of 404

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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer Page Last Modified: 2024-08-28 10:35:49 EDT 0.32 0.22 nadww01



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**USGS** Water Resources

Groundwater ✓ New Mexico **∨** GO

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Click to hide state-specific text

Important: Next Generation Monitoring Location Page

#### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

• 323630103575901

#### $\label{eq:minimum number of levels} \textbf{Minimum number of levels} = 1$

Save file of selected sites to local disk for future upload

#### USGS 323630103575901 20S.30E.03.11141

Eddy County, New Mexico

1968-06-13

1971-02-09

1971-02-09

1971-02-09

Latitude 32°36'30", Longitude 103°57'59" NAD27

Land-surface elevation 3,215 feet above NAVD88

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

This well is completed in the Rustler Formation (312RSLR) local aquifer.

D

D

D

D

72019

62610

62611

72019

36.20

32.78

3180.72

3182.22

Out	put	for	mats
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Table of dat	<u>ta</u>										
Tab-separa	ted data										
Graph of da	<u>ata</u>										
Reselect pe	eriod_										
Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1968-06-1	13	D	62610		3177.30	NGVD29	1	Z			Α
1968-06-1	13	D	62611		3178.80	NAVD88	1	Z			Α

Z

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NGVD29

NAVD88

1

1

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

Questions or Comments <u>Help</u> Data Tips

**Explanation of terms** 

Α

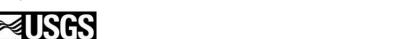
#### Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices U.S. Department of the Interior | U.S. Geological Survey. Title: Groundwater for New Mexico: Water Levels

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: 2024-08-28 10:40:31 EDT
0.37 0.25 nadww02





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**National Water Information System: Web Interface** 

**USGS** Water Resources

Groundwater ✓ New Mexico **∨** GO

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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 =

• 323558103570501

#### $\label{eq:minimum number of levels} \textbf{Minimum number of levels} = 1$

Save file of selected sites to local disk for future upload

#### USGS 323558103570501 20S.30E.03.424231

Eddy County, New Mexico Latitude 32°35'58", Longitude 103°57'05" NAD27

Land-surface elevation 3,188 feet above NAVD88

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

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Out	put	for	mats
-----	-----	-----	------

Table of data						
Tab-separated o	lata					
Graph of data						
Reselect period						
	2		Water			

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1948-12-23		D	62610		3177.98	NGVD29	1	Z			А
1948-12-23		D	62611		3179.49	NAVD88	1	Z			А
1948-12-23		D	72019	8.51			1	Z			Α

#### Explanation

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

**Questions or Comments** 

<u>Help</u>

**Data Tips** 

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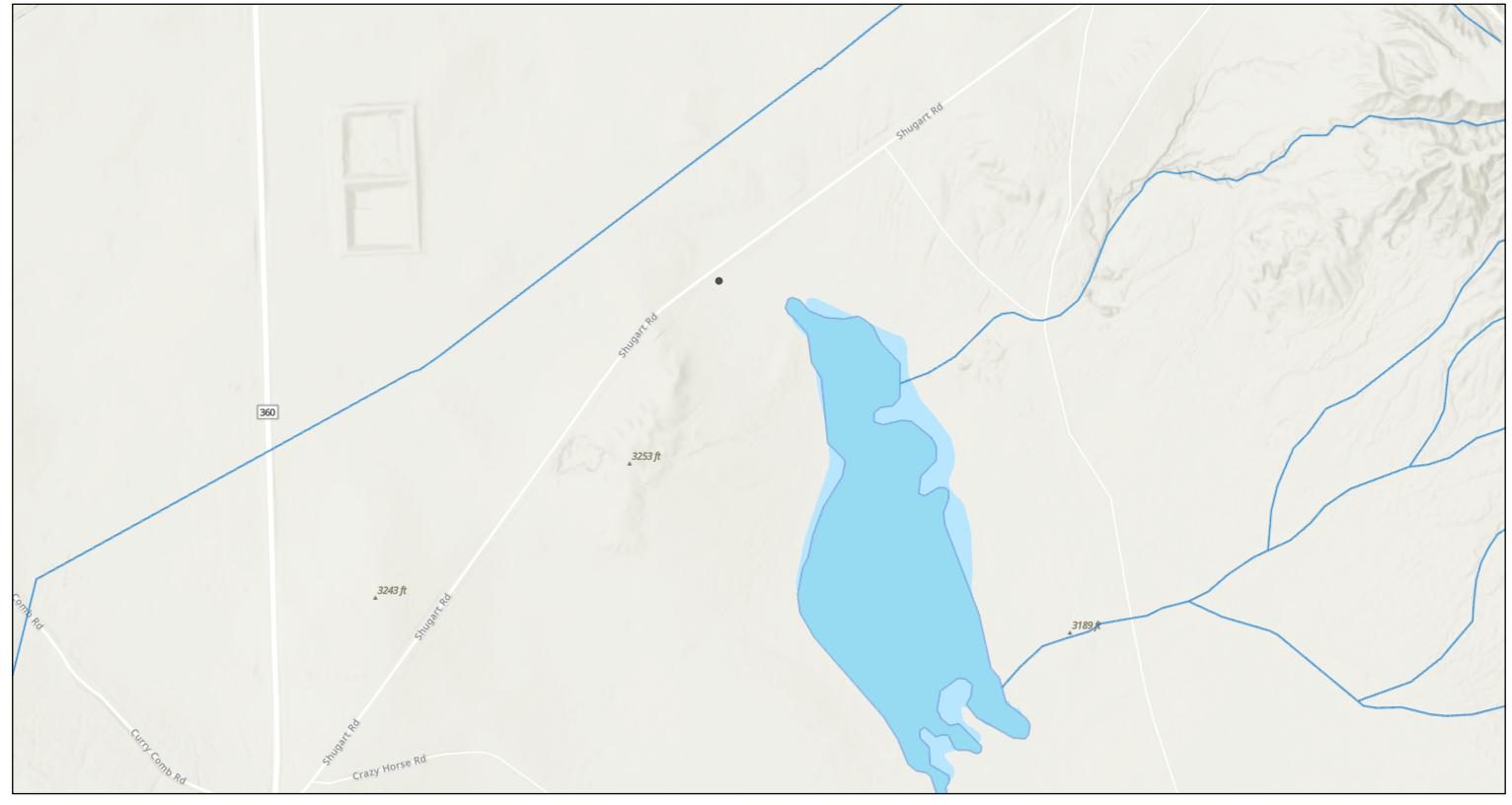
Page 61 of 404

USA.gov

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-08-28 10:39:28 EDT
0.41 0.28 nadww02

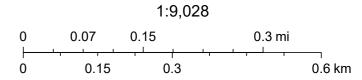
# Elevate Spill #2



8/28/2024, 9:31:54 AM

OSW Water Bodys

OSE Streams



Esri, NASA, NGA, USGS, FEMA, 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,

# **APPENDIX E**

# CARMONA RESOURCES

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Devin Dominguez
Carmona Resources
310 W Wall St
Ste 500

Midland, Texas 79701

Generated 9/24/2024 12:14:48 PM

# **JOB DESCRIPTION**

Spill #2 Eddy County. New Mexico

# **JOB NUMBER**

880-48706-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

# **Eurofins Midland**

#### **Job Notes**

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

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

## **Authorization**

Generated 9/24/2024 12:14:48 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

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Client: Carmona Resources Project/Site: Spill #2 Laboratory Job ID: 880-48706-1 SDG: Eddy County. New Mexico

# **Table of Contents**

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QC Association Summary	29
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Certification Summary	39
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Sample Summary	41
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#### **Definitions/Glossary**

Job ID: 880-48706-1 Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

**Qualifiers** 

**GC VOA** 

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits. S1+ Surrogate recovery exceeds control limits, high biased.

Indicates the analyte was analyzed for but not detected.

**GC Semi VOA** 

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

**HPLC/IC** 

Qualifier **Qualifier Description** 

F1 MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

**Glossary** 

Abbreviation These commonly used abbreviations may or may not be present in this report.

¤ Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

Duplicate Error Ratio (normalized absolute difference) DER

Dil Fac **Dilution Factor** 

Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MOI Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

**Practical Quantitation Limit PQL** 

**PRES** Presumptive **Quality Control** QC

Relative Error Ratio (Radiochemistry) **RER** 

Reporting Limit or Requested Limit (Radiochemistry) RL

**RPD** Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) **TEQ** 

**TNTC** Too Numerous To Count

**Eurofins Midland** 

#### **Case Narrative**

Client: Carmona Resources

Job ID: 880-48706-1

Project: Spill #2

Job ID: 880-48706-1

**Eurofins Midland** 

#### Job Narrative 880-48706-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 9/19/2024 11:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

#### **GC VOA**

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-91200 and 880-91287 and analytical batch 880-91281 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-91200 and analytical batch 880-91281 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-91278 recovered under the lower control limit for Toluene and Ethylbenzene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

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

#### **Diesel Range Organics**

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-91441 and analytical batch 880-91462 was outside the upper control limits.

Method 8015MOD NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: S-2 (5') (880-48706-10). Percent recoveries are based on the amount spiked.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-48706-1), S-1 (2') (880-48706-2), S-1 (3') (880-48706-3), S-1 (5') (880-48706-5), S-2 (0-1') (880-48706-6), S-2 (2') (880-48706-7), S-2 (3') (880-48706-8), (880-48699-A-1-F), (880-48699-A-1-G MS) and (880-48699-A-1-H MSĎ). Evidénce of matrix interferences is not obvious.

Method 8015MOD NM: The continuing calibration verification (CCV) associated with batch 880-91463 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-91463/21).

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

Method 300 ORGFM 28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-91283 and analytical batch 880-91312 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

**Eurofins Midland** 

### **Case Narrative**

Client: Carmona Resources Job ID: 880-48706-1

Project: Spill #2

Job ID: 880-48706-1 (Continued) Eurofins Midland

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#### **Client Sample Results**

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: S-1 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48706-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				09/19/24 13:47	09/21/24 01:49	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/19/24 13:47	09/21/24 01:49	1
Method: TAL SOP Total BTEX	- Total BTEX Cale	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/21/24 01:49	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 17:30	1
Method: SW846 8015B NM - D	liesel Range Orga	nics (DRO)	(GC)						
Analysis	• •	Ovelities	(GC)	MDI		_	Duamanad	Amalumad	Dil Fee

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <50.0 U Gasoline Range Organics 50.0 mg/Kg 09/21/24 17:31 09/23/24 17:30 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 09/21/24 17:31 09/23/24 17:30 C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 09/21/24 17:31 09/23/24 17:30 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 143 S1+ 70 - 130 09/21/24 17:31 09/23/24 17:30 127 70 - 130 09/21/24 17:31 09/23/24 17:30 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	886		25.1		mg/Kg			09/20/24 18:59	5

Client Sample ID: S-1 (2')

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 03:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 03:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/19/24 13:47	09/21/24 03:12	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/19/24 13:47	09/21/24 03:12	1

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#### **Client Sample Results**

Client: Carmona Resources Job ID: 880-48706-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-48706-2 Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

**Matrix: Solid** 

**Method: TAL SOP Total BTEX - Total BTEX Calculation** Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398 0.00398 09/21/24 03:12 mg/Kg Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

MDL Unit Result Qualifier RL D Prepared Analyzed Dil Fac Total TPH <50.1 U 50.1 09/23/24 17:46 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Analyte Prepared Dil Fac Analyzed <50.1 U 50.1 09/21/24 17:31 09/23/24 17:46 Gasoline Range Organics mg/Kg (GRO)-C6-C10 50.1 Diesel Range Organics (Over <50.1 U mg/Kg 09/21/24 17:31 09/23/24 17:46 C10-C28) Oil Range Organics (Over C28-C36) <50.1 U 50.1 mg/Kg 09/21/24 17:31 09/23/24 17:46 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

70 - 130 09/21/24 17:31 1-Chlorooctane 131 S1+ 09/23/24 17:46 o-Terphenyl 117 70 - 130 09/21/24 17:31 09/23/24 17:46

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride 1380 50.1 mg/Kg 09/20/24 19:26 10

Client Sample ID: S-1 (3') Lab Sample ID: 880-48706-3 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 03:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 03:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/19/24 13:47	09/21/24 03:32	1
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX -			70 - 130				09/19/24 13:47	09/21/24 03:32	,
Method: TAL SOP Total BTEX - Analyte	Total BTEX Cald	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	09/19/24 13:47 Prepared	09/21/24 03:32  Analyzed  09/21/24 03:32	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX	Total BTEX Calc Result <0.00398	<b>Qualifier</b> U	RL 0.00398	MDL	Unit mg/Kg	<u>D</u>		Analyzed	•
	Total BTEX Calc Result <0.00398 sel Range Organ	<b>Qualifier</b> U	RL 0.00398			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies	Total BTEX Calc Result <0.00398 sel Range Organ	Qualifier U ics (DRO) ( Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 09/21/24 03:32	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte	Total BTEX Calc Result <0.00398 sel Range Organ Result <50.5	Qualifier U ics (DRO) ( Qualifier U	RL 0.00398  GC) RL 50.5		mg/Kg		Prepared	Analyzed 09/21/24 03:32 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH	Total BTEX Calc Result <0.00398  sel Range Organ Result <50.5  sesel Range Orga	Qualifier U ics (DRO) ( Qualifier U	RL 0.00398  GC) RL 50.5	MDL	mg/Kg		Prepared	Analyzed 09/21/24 03:32 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH  Method: SW846 8015B NM - Die	Total BTEX Calc Result <0.00398  sel Range Organ Result <50.5  sesel Range Orga	Qualifier U ics (DRO) ( Qualifier U nics (DRO) Qualifier	RL 0.00398  GC)  RL 50.5	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 03:32  Analyzed 09/23/24 18:02	Dil Fac  Dil Fac

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### **Client Sample Results**

Client: Carmona Resources Job ID: 880-48706-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: S-1 (3') Lab Sample ID: 880-48706-3

Matrix: Solid

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Method: SW846 8015B NM - Diese	6 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)							
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		09/21/24 17:31	09/23/24 18:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130			09/21/24 17:31	09/23/24 18:02	1
o-Terphenyl	126		70 - 130			09/21/24 17:31	09/23/24 18:02	1

Method: EPA 300.0 - Anions, Ion Cl	hromatograpi	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	947		25.2		mg/Kg			09/20/24 19:34	5

Client Sample ID: S-1 (4') Lab Sample ID: 880-48706-4 Date Collected: 09/13/24 00:00 Matrix: Solid

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 03:53	-
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 03:53	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 03:53	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:47	09/21/24 03:53	
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 03:53	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 13:47	09/21/24 03:53	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	106		70 - 130				09/19/24 13:47	09/21/24 03:53	
1,4-Difluorobenzene (Surr)	99		70 - 130				09/19/24 13:47	09/21/24 03:53	
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/21/24 03:53	
- Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 18:18	
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:18	
101107-00-010	-50.0	11	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:18	,
Diesel Range Organics (Over	<50.0	U	30.0						
Diesel Range Organics (Over C10-C28)	<50.0 <50.0		50.0		mg/Kg		09/21/24 17:31	09/23/24 18:18	,
Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)		U			mg/Kg		09/21/24 17:31  Prepared	09/23/24 18:18  Analyzed	Dil Fa
Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	<50.0	U	50.0		mg/Kg				
Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	<50.0 <b>%Recovery</b>	U	50.0 <i>Limits</i>		mg/Kg		Prepared	Analyzed	Dil Fa
Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl  Method: EPA 300.0 - Anions, Ion	<50.0 	U <b>Qualifier</b>	50.0  Limits  70 - 130  70 - 130		mg/Kg		<b>Prepared</b> 09/21/24 17:31	Analyzed 09/23/24 18:18	Dil Fac
Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	<50.0  **Recovery 122 112 Chromatograp	U <b>Qualifier</b>	50.0  Limits  70 - 130  70 - 130	MDL		D	<b>Prepared</b> 09/21/24 17:31	Analyzed 09/23/24 18:18	Dil Fa

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Client: Carmona Resources Job ID: 880-48706-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: S-1 (5')

Lab Sample ID: 880-48706-5

Matrix: Solid

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:13	
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:13	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:13	•
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:47	09/21/24 04:13	
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:13	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:47	09/21/24 04:13	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	100		70 - 130				09/19/24 13:47	09/21/24 04:13	
1,4-Difluorobenzene (Surr)	101		70 - 130				09/19/24 13:47	09/21/24 04:13	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/21/24 04:13	
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/23/24 18:34	
Analyte Total TPH	Result   <49.8	Qualifier U	RL 49.8	MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.8	Qualifier U	RL 49.8			<u>D</u>	Prepared Prepared		
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.8	Qualifier Unics (DRO) Qualifier	RL 49.8		mg/Kg			09/23/24 18:34	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.8  sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.8 (GC)		mg/Kg		Prepared	09/23/24 18:34  Analyzed	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8  sel Range Orga Result <49.8	Qualifier U  nics (DRO) Qualifier U	RL 49.8  (GC) RL 49.8		mg/Kg  Unit mg/Kg		Prepared 09/21/24 17:31	09/23/24 18:34  Analyzed  09/23/24 18:34	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <49.8 sel Range Orga Result <49.8 <49.8	Qualifier U  nics (DRO) Qualifier U  U	RL 49.8  (GC) RL 49.8  49.8		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:31 09/21/24 17:31	09/23/24 18:34  Analyzed  09/23/24 18:34  09/23/24 18:34	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	Result	Qualifier U  nics (DRO) Qualifier U  U	RL 49.8  (GC) RL 49.8  49.8  49.8		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:31 09/21/24 17:31 09/21/24 17:31	09/23/24 18:34  Analyzed 09/23/24 18:34  09/23/24 18:34  09/23/24 18:34	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL 49.8  (GC)  RL 49.8  49.8  49.8  Limits		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:31 09/21/24 17:31 09/21/24 17:31 Prepared	O9/23/24 18:34  Analyzed O9/23/24 18:34  O9/23/24 18:34  O9/23/24 18:34  Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U  nics (DRO) Qualifier U  U  Qualifier S1+	RL 49.8  (GC)  RL 49.8  49.8  49.8  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:31 09/21/24 17:31 09/21/24 17:31  Prepared 09/21/24 17:31	09/23/24 18:34  Analyzed 09/23/24 18:34  09/23/24 18:34  09/23/24 18:34  Analyzed  09/23/24 18:34	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	Result	Qualifier U  nics (DRO) Qualifier U  U  Qualifier S1+	RL 49.8  (GC)  RL 49.8  49.8  49.8  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg  mg/Kg		Prepared 09/21/24 17:31 09/21/24 17:31 09/21/24 17:31  Prepared 09/21/24 17:31	09/23/24 18:34  Analyzed 09/23/24 18:34  09/23/24 18:34  09/23/24 18:34  Analyzed  09/23/24 18:34	Dil Fac

Client Sample ID: S-2 (0-1') Lab Sample ID: 880-48706-6 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:47	09/21/24 04:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:47	09/21/24 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				09/19/24 13:47	09/21/24 04:33	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/19/24 13:47	09/21/24 04:33	1

Client: Carmona Resources Job ID: 880-48706-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: S-2 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-6

Matrix: Solid

Method: TAL SOP Total BTEX - 7	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 04:33	1
- Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 18:50	1
_ Method: SW846 8015B NM - Die:	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:50	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:50	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				09/21/24 17:31	09/23/24 18:50	1
o-Terphenyl	119		70 - 130				09/21/24 17:31	09/23/24 18:50	1

Client Sample ID: S-2 (2') Lab Sample ID: 880-48706-7 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

RL

99.6

MDL Unit

mg/Kg

Prepared

Date Received: 09/19/24 11:40

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

2120

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 04:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 04:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 04:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:47	09/21/24 04:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 04:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:47	09/21/24 04:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				09/19/24 13:47	09/21/24 04:54	1
1,4-Difluorobenzene (Surr)	101		70 <sub>-</sub> 130				09/19/24 13:47	09/21/24 04:54	1

Method: TAL SOP Total BTEX	Method: TAL SOP Total BTEX - Total BTEX Calculation											
Analyte	Result	Qualifier	RL	MDL U	nit	D	Prepared	Analyzed	Dil Fac			
Total BTEX	<0.00403	U	0.00403		ıg/Kg			09/21/24 04:54	1			

Method: SW846 8015 NM - Diesel F	Range Organi	ics (DRO) (G	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 19:06	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 19:06	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 19:06	1		

**Eurofins Midland** 

Dil Fac

Analyzed

09/20/24 20:18

Client Sample ID: S-2 (2')

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48706-1 SDG: Eddy County. New Mexico

Lab Sample ID: 880-48706-7

Matrix: Solid

Date Collected: 09/13/24 00:00	
Date Received: 09/19/24 11:40	

	Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC) (Continu	ied)				
١	Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/21/24 17:31	09/23/24 19:06	1
	Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
	1-Chlorooctane	134	S1+	70 - 130			09/21/24 17:31	09/23/24 19:06	1
	o-Terphenyl	123		70 - 130			09/21/24 17:31	09/23/24 19:06	1

Method: EPA 300.0 - Anions, Ion Cl	nromatography - Solub	le					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1540	24.8	mg/Kg			09/20/24 20:27	5

Client Sample ID: S-2 (3')

Lab Sample ID: 880-48706-8 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:4	.0								
Method: SW846 8021B - Vo	latile Organic Comp	ounds (GC	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 05:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 05:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				09/19/24 13:47	09/21/24 05:14	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/19/24 13:47	09/21/24 05:14	1

_									
Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 05:14	1

Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/23/24 19:23	1

Total TPH —	<49.9	U	49.9	mg/Kg			09/23/24 19:23	1
	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		09/21/24 17:31	09/23/24 19:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		09/21/24 17:31	09/23/24 19:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/21/24 17:31	09/23/24 19:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130			09/21/24 17:31	09/23/24 19:23	1
o-Terphenyl	118		70 - 130			09/21/24 17:31	09/23/24 19:23	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1630	25.0	mg/Kg			09/20/24 20:35	5

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: S-2 (4')

Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-9

	Matrix:	Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:35	
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:35	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:35	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 05:35	
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:35	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 05:35	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	108		70 - 130				09/19/24 13:47	09/21/24 05:35	
1,4-Difluorobenzene (Surr)	100		70 - 130				09/19/24 13:47	09/21/24 05:35	
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 05:35	
Method: SW846 8015 NM - Die	sel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			09/23/24 19:40	
Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO)	(GC)						
Analyte	Popult	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fa

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 19:40	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 19:40	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 19:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				09/21/24 17:31	09/23/24 19:40	1
o-Terphenyl	106		70 <sub>-</sub> 130				09/21/24 17:31	09/23/24 19:40	1

Method: EPA 300.0 - Anions, Ion C	9								
Analyte	Result	Qualifier	RL	MDL	Unit	)	Prepared	Analyzed	Dil Fac
Chloride	1720		25.1		mg/Kg			09/20/24 20:44	5

Client Sample ID: S-2 (5')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48706-10

Matrix: Solid

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 05:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 05:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 05:55	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 13:47	09/21/24 05:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 05:55	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 13:47	09/21/24 05:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				09/19/24 13:47	09/21/24 05:55	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/19/24 13:47	09/21/24 05:55	1

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2 SDG: Eddy County. New Mexico

Lab Sample ID: 880-48706-10

Client Sample ID: S-2 (5') Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404		0.00404		mg/Kg	— <u>-</u>		09/21/24 05:55	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/23/24 19:56	1
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015B NM - Dies			• •	MDI	1114	_	Burnered	Amahasad	D!! F
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 19:56	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 19:56	1
C10-C28)	.40.0		40.0		11.6		00/04/04 47 04	00/00/04 40 50	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	208	S1+	70 - 130				09/21/24 17:31	09/23/24 19:56	1
o-Terphenyl	194	S1+	70 - 130				09/21/24 17:31	09/23/24 19:56	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	hy - Solubl	<b>A</b>						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: S-3 (0-1') Lab Sample ID: 880-48706-11

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 06:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 06:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 06:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:47	09/21/24 06:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 06:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:47	09/21/24 06:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				09/19/24 13:47	09/21/24 06:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/19/24 13:47	09/21/24 06:16	1
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX		culation	70 - 130				09/19/24 13:47	09/21/24 06:16	1
-	- Total BTEX Cald	culation Qualifier	70 <sub>-</sub> 130 <b>R</b> L	MDL	Unit	D	09/19/24 13:47  Prepared	09/21/24 06:16  Analyzed	1 Dil Fac
Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			,
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00403	<b>Qualifier</b> U	RL 0.00403	MDL		<u>D</u>		Analyzed	,
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald Result <0.00403 essel Range Organ	<b>Qualifier</b> U	RL 0.00403	MDL MDL		<u>D</u>		Analyzed	,
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00403 essel Range Organ	Qualifier U ics (DRO) ( Qualifier	RL 0.00403		mg/Kg		Prepared	Analyzed 09/21/24 06:16	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Cald Result <0.00403 esel Range Organ Result <50.0	Qualifier U ics (DRO) ( Qualifier U	RL 0.00403  GC) RL 50.0		mg/Kg		Prepared	Analyzed 09/21/24 06:16 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - Die Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00403 esel Range Organ Result <50.0 Diesel Range Orga	Qualifier U ics (DRO) ( Qualifier U	RL 0.00403  GC) RL 50.0	MDL	mg/Kg		Prepared	Analyzed 09/21/24 06:16 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00403 esel Range Organ Result <50.0 Diesel Range Orga	Qualifier U ics (DRO) ( Qualifier U inics (DRO) Qualifier	RL 0.00403  GC)  RL 50.0	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 06:16  Analyzed 09/24/24 00:47	Dil Fac  Dil Fac

**Eurofins Midland** 

C10-C28)

**Matrix: Solid** 

Client: Carmona Resources Job ID: 880-48706-1 Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-48706-11

Matrix: Solid

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/24 09:26	09/24/24 00:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				09/23/24 09:26	09/24/24 00:47	1
o-Terphenyl	86		70 - 130				09/23/24 09:26	09/24/24 00:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride 758 F1 25.2 09/20/24 16:53 mg/Kg

Client Sample ID: S-3 (2')

Lab Sample ID: 880-48706-12

Date Received: 09/19/24 11:40

Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:07	
Toluene	< 0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:07	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:07	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 17:00	09/21/24 07:07	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:07	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 17:00	09/21/24 07:07	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	110		70 - 130				09/19/24 17:00	09/21/24 07:07	
1,4-Difluorobenzene (Surr)	105		70 - 130				09/19/24 17:00	09/21/24 07:07	
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 07:07	
			•	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: SW846 8015 NM - Diese	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	
		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/24/24 01:03	
Analyte Total TPH	Result <49.9  sel Range Orga	Qualifier U	<b>RL</b> 49.9	MDL		<u>D</u>	Prepared		Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte	Result <49.9 sel Range Orga Result	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)		mg/Kg	<u>D</u>	Prepared	09/24/24 01:03  Analyzed	
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics	Result <49.9  sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)		mg/Kg	<u> </u>		09/24/24 01:03	
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10	sel Range Orga Result <49.9  49.9	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9		mg/Kg  Unit mg/Kg	<u> </u>	Prepared 09/23/24 09:26	09/24/24 01:03  Analyzed 09/24/24 01:03	
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC)		mg/Kg	<u> </u>	Prepared	09/24/24 01:03  Analyzed	
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.9  49.9	Qualifier U  nics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9		mg/Kg  Unit mg/Kg	<u> </u>	Prepared 09/23/24 09:26	09/24/24 01:03  Analyzed 09/24/24 01:03	
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	sel Range Orga Result <49.9  49.9  49.9  49.9	Qualifier U  nics (DRO) Qualifier U  U	RL 49.9  (GC) RL 49.9  49.9		mg/Kg  Unit mg/Kg  mg/Kg	<u> </u>	Prepared 09/23/24 09:26 09/23/24 09:26	09/24/24 01:03  Analyzed 09/24/24 01:03  09/24/24 01:03	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U  nics (DRO) Qualifier U  U	RL 49.9  (GC)  RL 49.9  49.9  49.9		mg/Kg  Unit mg/Kg  mg/Kg	<u> </u>	Prepared 09/23/24 09:26 09/23/24 09:26 09/23/24 09:26	09/24/24 01:03  Analyzed 09/24/24 01:03 09/24/24 01:03 09/24/24 01:03	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	Result	Qualifier U  nics (DRO) Qualifier U  U	RL 49.9  (GC)  RL 49.9  49.9  49.9  Limits		mg/Kg  Unit mg/Kg  mg/Kg	<u> </u>	Prepared 09/23/24 09:26 09/23/24 09:26 09/23/24 09:26 Prepared	09/24/24 01:03  Analyzed 09/24/24 01:03 09/24/24 01:03 09/24/24 01:03 Analyzed	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result   <49.9	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL 49.9  (GC)  RL 49.9  49.9  49.9  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg	<u> </u>	Prepared 09/23/24 09:26 09/23/24 09:26 09/23/24 09:26  Prepared 09/23/24 09:26	09/24/24 01:03  Analyzed 09/24/24 01:03  09/24/24 01:03  09/24/24 01:03  Analyzed  09/24/24 01:03	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL 49.9  (GC)  RL 49.9  49.9  49.9  Limits  70 - 130  70 - 130	MDL	mg/Kg  Unit mg/Kg  mg/Kg	<u> </u>	Prepared 09/23/24 09:26 09/23/24 09:26 09/23/24 09:26  Prepared 09/23/24 09:26	09/24/24 01:03  Analyzed 09/24/24 01:03  09/24/24 01:03  09/24/24 01:03  Analyzed  09/24/24 01:03	Dil Fa

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: S-3 (3')

Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-13

Matrix: Solid

Method: SW846 8021B - Volatile (	Organic Comp	ounds (GC)	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:28	1
Toluene	< 0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 17:00	09/21/24 07:28	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 17:00	09/21/24 07:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114	70 - 130	09/19/24 17:00	09/21/24 07:28	1
1,4-Difluorobenzene (Surr)	102	70 - 130	09/19/24 17:00	09/21/24 07:28	1

Method: TAL SOP Total BTEX - Total BTEX	Calc	ula	tion
		_	

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			09/21/24 07:28	1

Method: SW846 8015 NM - Diesel I	ethod: SW846 8015 NM - Diesel Range Organics (DRO) (GC)								
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac		
Total TPH	<49.8 U	49.8	ma/Ka			09/24/24 01:36			

ĺ									
	Method: SW846 8015B NM - Diesel	Range Orga	nics (DRO) (G	3C)					
				,					
	Analyte		Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

1-0	Chlorooctane	107	•	70 - 130		09/23/24 09:26	09/24/24 01:36	1
Su	ırrogate	6Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Oil	I Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	09/23/24 09:26	09/24/24 01:36	1
	esel Range Organics (Over 10-C28)	<49.8	U	49.8	mg/Kg	09/23/24 09:26	09/24/24 01:36	1
	RO)-C6-C10				3' 3			
	iRO)-C6-C10				99			

Analysis	It O It it	ъ.	MDI IIi4 D	Danie and d	A ll	DII E	
Method: EPA 300.0 - Anions, Ion Chromato	graphy - Soluble						
o-Terphenyl	85	70 - 130		09/23/24 09:26	09/24/24 01:36	1	

Allalyte	Nesult Qualifier	IXL	WIDE OILL	riepaieu	Allalyzeu	Diriac	
Chloride	710	25.1	mg/Kg		09/20/24 17:15	5	
Client Sample ID: S-3 (4')				Lab Samp	le ID: 880-48	706-14	

Date Collected: 09/13/24 00:00 Matrix: Solid
Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 07:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 07:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 07:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 17:00	09/21/24 07:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 07:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 17:00	09/21/24 07:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				09/19/24 17:00	09/21/24 07:48	1
1,4-Difluorobenzene (Surr)	111		70 - 130				09/19/24 17:00	09/21/24 07:48	1

Client: Carmona Resources Job ID: 880-48706-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: S-3 (4')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-14

**Matrix: Solid** 

Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/21/24 07:48	1
Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (G	<b>C</b> )						

MDL Unit Result Qualifier RL Analyzed Analyte D Prepared Dil Fac Total TPH <49.7 U 49.7 09/24/24 01:51 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Analyte Prepared Dil Fac Analyzed <49.7 U 49.7 09/23/24 09:26 09/24/24 01:51 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.7 U 49.7 mg/Kg 09/23/24 09:26 09/24/24 01:51 C10-C28) Oil Range Organics (Over C28-C36) <49.7 U 49.7 mg/Kg 09/23/24 09:26 09/24/24 01:51 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 1-Chlorooctane 106 09/23/24 09:26 09/24/24 01:51 o-Terphenyl 85 70 - 130 09/23/24 09:26 09/24/24 01:51

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride 714 24.9 mg/Kg 09/20/24 17:20

Client Sample ID: S-3 (5') Lab Sample ID: 880-48706-15 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 08:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 08:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 08:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 17:00	09/21/24 08:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 08:09	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 17:00	09/21/24 08:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				09/19/24 17:00	09/21/24 08:09	1
1,4-Difluorobenzene (Surr)	105		70 - 130				09/19/24 17:00	09/21/24 08:09	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/21/24 08:09	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/24/24 02:08	1
- Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO)	(GC)						
Method: SW846 8015B NM - D Analyte		nics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac

**Eurofins Midland** 

09/24/24 02:08

09/23/24 09:26

49.8

mg/Kg

<49.8 U

(GRO)-C6-C10

C10-C28)

Diesel Range Organics (Over

Client: Carmona Resources Job ID: 880-48706-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: S-3 (5') Lab Sample ID: 880-48706-15

Date Collected: 09/13/24 00:00 Matrix: Solid Date Received: 09/19/24 11:40

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC) (Continu	ied)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/24 09:26	09/24/24 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				09/23/24 09:26	09/24/24 02:08	1
o-Terphenyl	91		70 - 130				09/23/24 09:26	09/24/24 02:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	784	24.8	ma/Ka			09/20/24 17:26	5

# **Surrogate Summary**

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		DED4	DED74	Percent Surrogate Recovery (Acceptance
ah Camula ID	Client Comple ID	BFB1 (70-130)	DFBZ1 (70-130)	
ab Sample ID 80-48620-A-3-B MS	Client Sample ID  Matrix Spike	105	102	
80-48620-А-3-Б MSD	·	105	99	
	Matrix Spike Duplicate			
80-48706-1	S-1 (0-1')	110	100	
80-48706-2	S-1 (2')	104	101	
80-48706-3	S-1 (3')	104	102	
30-48706-4	S-1 (4')	106	99	
0-48706-5	S-1 (5')	100	101	
80-48706-6	S-2 (0-1')	109	100	
0-48706-7	S-2 (2')	105	101	
30-48706-8	S-2 (3')	109	102	
30-48706-9	S-2 (4')	108	100	
0-48706-10	S-2 (5')	106	101	
0-48706-11	S-3 (0-1')	108	100	
0-48706-12	S-3 (2')	110	105	
0-48706-13	S-3 (3')	114	102	
)-48706-14	S-3 (4')	126	111	
)-48706-15	S-3 (5')	120	105	
-48707-A-41-A MS	Matrix Spike	103	99	
-48707-A-41-B MSD	Matrix Spike Duplicate	104	101	
S 880-91200/1-A	Lab Control Sample	120	105	
S 880-91229/1-A	Lab Control Sample	101	99	
SD 880-91200/2-A	Lab Control Sample Dup	113	103	
SD 880-91229/2-A	Lab Control Sample Dup	101	98	
8 880-91200/5-A	Method Blank	150 S1+	95	
8 880-91229/5-A	Method Blank	105	99	
880-91286/5-A	Method Blank	105	100	
3 880-91287/5-A	Method Blank	213 S1+	127	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48699-A-1-G MS	Matrix Spike	132 S1+	126	
880-48699-A-1-H MSD	Matrix Spike Duplicate	131 S1+	126	
880-48706-1	S-1 (0-1')	143 S1+	127	
880-48706-2	S-1 (2')	131 S1+	117	
880-48706-3	S-1 (3')	143 S1+	126	
880-48706-4	S-1 (4')	122	112	
880-48706-5	S-1 (5')	138 S1+	127	
880-48706-6	S-2 (0-1')	134 S1+	119	
880-48706-7	S-2 (2')	134 S1+	123	
880-48706-8	S-2 (3')	131 S1+	118	
880-48706-9	S-2 (4')	115	106	
880-48706-10	S-2 (5')	208 S1+	194 S1+	

# **Surrogate Summary**

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48706-11	S-3 (0-1')	108	86	
880-48706-12	S-3 (2')	116	91	
880-48706-13	S-3 (3')	107	85	
880-48706-14	S-3 (4')	106	85	
880-48706-15	S-3 (5')	115	91	
890-7144-A-7-F MS	Matrix Spike	102	90	
890-7144-A-7-G MSD	Matrix Spike Duplicate	102	88	
LCS 880-91410/2-A	Lab Control Sample	111	106	
LCS 880-91441/2-A	Lab Control Sample	114	105	
LCSD 880-91410/3-A	Lab Control Sample Dup	113	107	
LCSD 880-91441/3-A	Lab Control Sample Dup	115	103	
MB 880-91410/1-A	Method Blank	118	106	
MB 880-91441/1-A	Method Blank	100	153 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Carmona Resources Job ID: 880-48706-1 SDG: Eddy County. New Mexico Project/Site: Spill #2

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91200/5-A

**Matrix: Solid** Analysis Batch: 91281 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91200

	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 11:05	09/21/24 00:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 11:05	09/21/24 00:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 11:05	09/21/24 00:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 11:05	09/21/24 00:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 11:05	09/21/24 00:23	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		09/19/24 11:05	09/21/24 00:23	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Pro	epared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130	09/19	/24 11:05	09/21/24 00:23	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/19	/24 11:05	09/21/24 00:23	1

Lab Sample ID: LCS 880-91200/1-A

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91200

	<b>Spike</b>	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09646		mg/Kg		96	70 - 130	
Toluene	0.100	0.08354		mg/Kg		84	70 - 130	
Ethylbenzene	0.100	0.1052		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	0.200	0.2206		mg/Kg		110	70 - 130	
o-Xylene	0.100	0.1053		mg/Kg		105	70 - 130	

LCS LCS

Surrogate	%Recovery Qualific	er Limits
4-Bromofluorobenzene (Surr)	120	70 - 130
1,4-Difluorobenzene (Surr)	105	70 - 130

Lab Sample ID: LCSD 880-91200/2-A

Matrix: Solid

**Analysis Batch: 91281** 

**Client Sample ID: Lab Control Sample Dup** 

Prep Type: Total/NA

Prep Batch: 91200

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09535		mg/Kg		95	70 - 130	1	35
Toluene	0.100	0.08409		mg/Kg		84	70 - 130	1	35
Ethylbenzene	0.100	0.1019		mg/Kg		102	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2014		mg/Kg		101	70 - 130	9	35
o-Xylene	0.100	0.1035		mg/Kg		104	70 - 130	2	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	113	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: 880-48620-A-3-B MS

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 91200

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.101	0.07737		mg/Kg		77	70 - 130	
Toluene	<0.00202	U F1	0.101	0.05667	F1	mg/Kg		56	70 - 130	

Client: Carmona Resources Job ID: 880-48706-1 SDG: Eddy County. New Mexico Project/Site: Spill #2

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

Lab Sample ID: 880-48620-A-3-B MS

**Matrix: Solid** 

**Analysis Batch: 91281** 

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91200

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00202	U F1	0.101	0.05931	F1	mg/Kg		59	70 - 130	
m-Xylene & p-Xylene	<0.00404	U F1	0.202	0.1198	F1	mg/Kg		59	70 - 130	
o-Xylene	<0.00202	U F1	0.101	0.05967	F1	mg/Kg		59	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91200

Lab Sample ID: 880-48620-A-3-C MSD **Matrix: Solid** 

**Analysis Batch: 91281** 

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.0998	0.07784		mg/Kg		78	70 - 130	1	35
Toluene	<0.00202	U F1	0.0998	0.06112	F1	mg/Kg		61	70 - 130	8	35
Ethylbenzene	<0.00202	U F1	0.0998	0.05437	F1	mg/Kg		54	70 - 130	9	35
m-Xylene & p-Xylene	<0.00404	U F1	0.200	0.1098	F1	mg/Kg		55	70 - 130	9	35
o-Xylene	<0.00202	U F1	0.0998	0.06336	F1	mg/Kg		63	70 - 130	6	35

MSD MSD

Surrogate	%Recovery (	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-91229/5-A

**Matrix: Solid** 

**Analysis Batch: 91278** 

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

Prep Batch: 91229

	INID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		09/19/24 13:47	09/20/24 22:23	1

MB MB

MR MR

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105	70 - 130	09/19/24 13:47	09/20/24 22:23	1
1.4-Difluorobenzene (Surr)	99	70 - 130	09/19/24 13:47	09/20/24 22:23	1

Lab Sample ID: LCS 880-91229/1-A

Matrix: Solid

**Analysis Batch: 91278** 

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

Prep Batch: 91229

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09103		mg/Kg		91	70 - 130	
Toluene	0.100	0.08674		mg/Kg		87	70 - 130	
Ethylbenzene	0.100	0.08487		mg/Kg		85	70 - 130	
m-Xylene & p-Xylene	0.200	0.1799		mg/Kg		90	70 - 130	

Client: Carmona Resources Job ID: 880-48706-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

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

Lab Sample ID: LCS 880-91229/1-A **Client Sample ID: Lab Control Sample** 

**Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 91278** Prep Batch: 91229 LCS LCS

Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits D 0.100 0.09124 91 70 - 130 o-Xylene mg/Kg

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 101 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 99

Lab Sample ID: LCSD 880-91229/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 91278** Prep Batch: 91229

Spike LCSD LCSD RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit D Benzene 0.100 0.09165 mg/Kg 92 70 - 130 35 Toluene 0.100 0.08666 mg/Kg 87 70 - 130 35 0 Ethylbenzene 0.100 0.08550 mg/Kg 86 70 - 130 35 m-Xylene & p-Xylene 0.200 0.1816 mg/Kg 91 70 - 130 35 0.100 0.09161 92 70 - 130 35 o-Xylene mg/Kg

LCSD LCSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 101 70 - 130 1,4-Difluorobenzene (Surr) 98 70 - 130

Lab Sample ID: 880-48707-A-41-A MS Client Sample ID: Matrix Spike

**Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 91278** Prep Batch: 91229 Sample Sample Child Me Me % Pac

	Sample	Sample	Spike	IVIO	IVIO				/orec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.101	0.08410		mg/Kg		83	70 - 130	
Toluene	<0.00202	U	0.101	0.07905		mg/Kg		78	70 - 130	
Ethylbenzene	<0.00202	U	0.101	0.07720		mg/Kg		77	70 - 130	
m-Xylene & p-Xylene	<0.00404	U	0.202	0.1625		mg/Kg		81	70 - 130	
o-Xylene	<0.00202	U	0.101	0.08190		mg/Kg		81	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 103 70 - 130 1,4-Difluorobenzene (Surr) 99

<0.00202 U

Lab Sample ID: 880-48707-A-41-B MSD Client Sample ID: Matrix Spike Duplicate

**Matrix: Solid** 

**Analysis Batch: 91278** Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Result Qualifier Limits Limit Analyte Unit %Rec RPD Benzene <0.00202 U 0.0998 0.08768 mg/Kg 88 70 - 130 35 <0.00202 U 0.0998 0.08281 70 - 130 Toluene 83 35 mg/Kg 5 Ethylbenzene <0.00202 U 0.0998 0.08049 mg/Kg 81 70 - 130 35 m-Xylene & p-Xylene <0.00404 U 0.200 0.1700 35 mg/Kg 85 70 - 130

0.08559

mg/Kg

86

70 - 130

0.0998

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Prep Type: Total/NA

Prep Batch: 91229

35

o-Xylene

Job ID: 880-48706-1 Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

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

Lab Sample ID: 880-48707-A-41-B MSD

**Matrix: Solid** 

Xylenes, Total

1,4-Difluorobenzene (Surr)

**Matrix: Solid** 

**Analysis Batch: 91278** 

Client Sample ID: Matrix Spike Duplicate

09/20/24 09:13

09/20/24 11:46

09/20/24 11:46

Prep Batch: 91287

Prep Type: Total/NA

Prep Batch: 91229

MSD MSD

<0.00400 U

100

%Recovery Surrogate Qualifier Limits 4-Bromofluorobenzene (Surr) 104 70 - 130 1,4-Difluorobenzene (Surr) 101 70 - 130

Lab Sample ID: MB 880-91286/5-A Client Sample ID: Method Blank

**Matrix: Solid** Prep Type: Total/NA

**Analysis Batch: 91278** Prep Batch: 91286

MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <0.00200 Ū 0.00200 09/20/24 09:13 09/20/24 11:46 Benzene mg/Kg Toluene <0.00200 U 0.00200 09/20/24 09:13 09/20/24 11:46 mg/Kg <0.00200 U 0.00200 09/20/24 09:13 09/20/24 11:46 Ethylbenzene mg/Kg m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 09/20/24 09:13 09/20/24 11:46 <0.00200 U 0.00200 09/20/24 09:13 09/20/24 11:46 o-Xylene mg/Kg

0.00400

mg/Kg

MB MB Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed 4-Bromofluorobenzene (Surr) 105 70 - 130 09/20/24 09:13 09/20/24 11:46 70 - 130 09/20/24 09:13

Lab Sample ID: MB 880-91287/5-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

**Analysis Batch: 91281** 

мв мв

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 09/20/24 09:22 09/20/24 12:44 mg/Kg 09/20/24 12:44 Toluene <0.00200 U 0.00200 09/20/24 09:22 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg 09/20/24 09:22 09/20/24 12:44 09/20/24 12:44 <0.00400 U 0.00400 09/20/24 09:22 m-Xylene & p-Xylene mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 09/20/24 09:22 09/20/24 12:44 Xylenes, Total <0.00400 U 0.00400 mg/Kg 09/20/24 09:22 09/20/24 12:44

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 213 S1+ 70 - 130 09/20/24 09:22 09/20/24 12:44 1,4-Difluorobenzene (Surr) 127 70 - 130 09/20/24 09:22 09/20/24 12:44

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

Lab Sample ID: MB 880-91410/1-A Client Sample ID: Method Blank

**Analysis Batch: 91463** 

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IVIC	OIVID							
nalyte Resul	t Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
asoline Range Organics <50.0	U	50.0		mg/Kg		09/21/24 17:30	09/23/24 11:38	1
RO)-C6-C10								
esel Range Organics (Over <50.0	) U	50.0		mg/Kg		09/21/24 17:30	09/23/24 11:38	1
10-C28)								
I Range Organics (Over C28-C36) <50.0	U	50.0		mg/Kg		09/21/24 17:30	09/23/24 11:38	1
i	nalyte Result assoline Range Organics <50.0 GRO)-C6-C10 lesel Range Organics (Over 10-C28)	asoline Range Organics <50.0 U  SRO)-C6-C10 iesel Range Organics (Over <50.0 U  10-C28)	Result asoline Range Organics         Result casoline Range Organics         Qualifier         RL casoline Range Organics           6RO)-C6-C10 diesel Range Organics (Over casoline Range Organics (Ove	Result asoline Range Organics         Result sale         Qualifier RL Str.         MDL Str.           450.0 -C6-C10 sesel Range Organics (Over 10-C28)         <50.0 U 50.0	Result assoline Range Organics         Result assoline Range Organics         Qualifier U	Result assoline Range Organics         Result sasoline Range Organics         Qualifier         RL         MDL may be made or m	Result asoline Range Organics         Result asoline Range Organics (Over 10-C28)         Qualifier Rule         RL Sto.         MDL buil mg/Kg         D MDL mg/Kg         Prepared 09/21/24 17:30           09/21/24 17:30         09/21/24 17:30         09/21/24 17:30         09/21/24 17:30         09/21/24 17:30	Result asoline Range Organics (Over 10-C28)         Result and properties (Over 10-C28)         Qualifier Range (Over 10-C28)         RL MDL Unit MDL U

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Prep Type: Total/NA Prep Batch: 91410

Client: Carmona Resources Job ID: 880-48706-1 SDG: Eddy County. New Mexico Project/Site: Spill #2

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

Lab Sample ID: MB 880-91410/1-A

**Matrix: Solid** 

**Analysis Batch: 91463** 

Client Sample ID: Method Blank

**Prep Type: Total/NA** 

Prep Batch: 91410

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prep	ared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	09/21/2	4 17:30	09/23/24 11:38	1
o-Terphenyl	106		70 - 130	09/21/2	4 17:30	09/23/24 11:38	1

Lab Sample ID: LCS 880-91410/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

**Analysis Batch: 91463** 

Prep Type: Total/NA

Prep Batch: 91410

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	986.6		mg/Kg		99	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	856.2		mg/Kg		86	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	111	70 - 130
o-Terphenyl	106	70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

**Matrix: Solid** 

Analysis Batch: 91463

Lab Sample ID: LCSD 880-91410/3-A

Prep Batch: 91410

Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	976.6	mg/Kg		98	70 - 130	1	20
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	873.8	mg/Kg		87	70 - 130	2	20
C10-C28)								

LCSD LCSD

Spike

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-48699-A-1-G MS Client Sample ID: Matrix Spike **Matrix: Solid** 

Prep Type: Total/NA

**Analysis Batch: 91463** Prep Batch: 91410

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.1	U	1010	1113		mg/Kg		111	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.1	U	1010	1080		mg/Kg		105	70 - 130	
C10 C20\										

C10-C28)

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	126		70 - 130

Client: Carmona Resources Job ID: 880-48706-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

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

Lab Sample ID: 880-48699-A-1-H MSD

**Matrix: Solid** 

Analysis Batch: 91463

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91410

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.1	U	1010	1102		mg/Kg		110	70 - 130	1	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.1	U	1010	1112		mg/Kg		108	70 - 130	3	20
C10-C28)											

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: MB 880-91441/1-A

Matrix: Solid

**Analysis Batch: 91462** 

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91441

	MB	MB							
alyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
soline Range Organics RO)-C6-C10	<50.0	U	50.0		mg/Kg		09/23/24 09:26	09/23/24 21:17	1
sel Range Organics (Over 0-C28)	<50.0	U	50.0		mg/Kg		09/23/24 09:26	09/23/24 21:17	1
Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/24 09:26	09/23/24 21:17	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100	70 - 130	09/23/24 09:26	09/23/24 21:17	1
o-Terphenyl	153 S1+	70 - 130	09/23/24 09:26	09/23/24 21:17	1

Lab Sample ID: LCS 880-91441/2-A

**Matrix: Solid** 

Analysis Batch: 91462

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

Prep Batch: 91441

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1034		mg/Kg		103	70 - 130	 
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	847.6		mg/Kg		85	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery Qua	lifier Limits
1-Chlorooctane	114	70 - 130
o-Terphenyl	105	70 - 130

Lab Sample ID: LCSD 880-91441/3-A

Matrix: Solid

Analysis Batch: 91462

<b>Client San</b>	iple ID: Lal	<b>Control</b>	Sample	Dup
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Prep Type: Total/NA

Prep Batch: 91441

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1063		mg/Kg		106	70 - 130	3	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	866.8		mg/Kg		87	70 - 130	2	20
C10-C28)									

Client: Carmona Resources

Job ID: 880-48706-1

SDG: Eddy County. New Mexico

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

Lab Sample ID: LCSD 880-91441/3-A

**Matrix: Solid** 

Project/Site: Spill #2

Analysis Batch: 91462

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91441

LCSD LCSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 115 70 - 130 o-Terphenyl 103 70 - 130

Lab Sample ID: 890-7144-A-7-F MS Client Sample ID: Matrix Spike

**Matrix: Solid** 

Analysis Batch: 91462

Prep Type: Total/NA Prep Batch: 91441

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <50.0 U 999 754 3 76 70 - 130Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 999 760.6 76 mg/Kg 70 - 130

C10-C28)

MS MS %Recovery Surrogate Qualifier Limits 102 70 - 130 1-Chlorooctane 70 - 130 o-Terphenyl 90

Lab Sample ID: 890-7144-A-7-G MSD Client Sample ID: Matrix Spike Duplicate

**Matrix: Solid** 

**Analysis Batch: 91462** 

Prep Type: Total/NA

Prep Batch: 91441

Sample Sample Spike MSD MSD RPD Analyte Result Qualifier hahhA Result Qualifier Unit %Rec I imits RPD Limit D Gasoline Range Organics <50.0 U 999 765.5 mg/Kg 77 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 999 745.1 mg/Kg 75 70 - 130 2 20

C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 102 o-Terphenyl 70 - 130 88

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91277/1-A Client Sample ID: Method Blank **Matrix: Solid** 

**Analysis Batch: 91299** 

**Prep Type: Soluble** 

мв мв Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 09/20/24 16:31

Lab Sample ID: LCS 880-91277/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble** 

Matrix: Solid

**Analysis Batch: 91299** 

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 	250	233.6		mg/Kg		93	90 - 110	

Client: Carmona Resources Job ID: 880-48706-1 SDG: Eddy County. New Mexico Project/Site: Spill #2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-91277/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 91299

	<b>Spike</b>	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	234.7		mg/Kg		94	90 - 110	0	20	

Lab Sample ID: 880-48706-1 MS Client Sample ID: S-1 (0-1') **Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 91299** 

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	886		1260	2177		mg/Kg		103	90 - 110	 

Lab Sample ID: 880-48706-1 MSD Client Sample ID: S-1 (0-1') **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 91299

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	886		1260	2185		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-91283/1-A Client Sample ID: Method Blank **Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 91312** 

мв мв

Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 l	U	5.00	i	mg/Kg			09/20/24 16:37	1

Lab Sample ID: LCS 880-91283/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 91312

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chlorido	250	247.3		malka	_	00	00 110	 

Lab Sample ID: LCSD 880-91283/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 91312** 

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	248.2		mg/Kg		99	90 - 110		20

Lab Sample ID: 880-48706-11 MS Client Sample ID: S-3 (0-1')

**Matrix: Solid** 

**Analysis Batch: 91312** 

,	Sample Sample	Spike	MS	MS				%Rec
Analyte	Result Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	758 F1	1260	2395	F1	mg/Kg		130	90 - 110

Lab Sample ID: 880-48706-11 MSD Client Sample ID: S-3 (0-1') **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 91312

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Analysis Daten. 31312											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	758	F1	1260	2406	F1	mg/Kg		131	90 - 110	0	20

**Eurofins Midland** 

**Prep Type: Soluble** 

Client: Carmona Resources

Job ID: 880-48706-1
Project/Site: Spill #2

SDG: Eddy County. New Mexico

# **GC VOA**

### Prep Batch: 91200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48706-12	S-3 (2')	Total/NA	Solid	5035	
880-48706-13	S-3 (3')	Total/NA	Solid	5035	
880-48706-14	S-3 (4')	Total/NA	Solid	5035	
880-48706-15	S-3 (5')	Total/NA	Solid	5035	
MB 880-91200/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91200/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91200/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48620-A-3-B MS	Matrix Spike	Total/NA	Solid	5035	
880-48620-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

#### Prep Batch: 91229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-48706-1	S-1 (0-1')	Total/NA	Solid	5035	
880-48706-2	S-1 (2')	Total/NA	Solid	5035	
880-48706-3	S-1 (3')	Total/NA	Solid	5035	
880-48706-4	S-1 (4')	Total/NA	Solid	5035	
880-48706-5	S-1 (5')	Total/NA	Solid	5035	
880-48706-6	S-2 (0-1')	Total/NA	Solid	5035	
880-48706-7	S-2 (2')	Total/NA	Solid	5035	
880-48706-8	S-2 (3')	Total/NA	Solid	5035	
880-48706-9	S-2 (4')	Total/NA	Solid	5035	
880-48706-10	S-2 (5')	Total/NA	Solid	5035	
880-48706-11	S-3 (0-1')	Total/NA	Solid	5035	
MB 880-91229/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91229/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91229/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48707-A-41-A MS	Matrix Spike	Total/NA	Solid	5035	
880-48707-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

#### **Analysis Batch: 91278**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48706-1	S-1 (0-1')	Total/NA	Solid	8021B	91229
880-48706-2	S-1 (2')	Total/NA	Solid	8021B	91229
880-48706-3	S-1 (3')	Total/NA	Solid	8021B	91229
880-48706-4	S-1 (4')	Total/NA	Solid	8021B	91229
880-48706-5	S-1 (5')	Total/NA	Solid	8021B	91229
880-48706-6	S-2 (0-1')	Total/NA	Solid	8021B	91229
880-48706-7	S-2 (2')	Total/NA	Solid	8021B	91229
880-48706-8	S-2 (3')	Total/NA	Solid	8021B	91229
880-48706-9	S-2 (4')	Total/NA	Solid	8021B	91229
880-48706-10	S-2 (5')	Total/NA	Solid	8021B	91229
880-48706-11	S-3 (0-1')	Total/NA	Solid	8021B	91229
MB 880-91229/5-A	Method Blank	Total/NA	Solid	8021B	91229
MB 880-91286/5-A	Method Blank	Total/NA	Solid	8021B	91286
LCS 880-91229/1-A	Lab Control Sample	Total/NA	Solid	8021B	91229
LCSD 880-91229/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91229
880-48707-A-41-A MS	Matrix Spike	Total/NA	Solid	8021B	91229
880-48707-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	91229

**Eurofins Midland** 

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Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

# **GC VOA**

### Analysis Batch: 91281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48706-12	S-3 (2')	Total/NA	Solid	8021B	91200
880-48706-13	S-3 (3')	Total/NA	Solid	8021B	91200
880-48706-14	S-3 (4')	Total/NA	Solid	8021B	91200
880-48706-15	S-3 (5')	Total/NA	Solid	8021B	91200
MB 880-91200/5-A	Method Blank	Total/NA	Solid	8021B	91200
MB 880-91287/5-A	Method Blank	Total/NA	Solid	8021B	91287
LCS 880-91200/1-A	Lab Control Sample	Total/NA	Solid	8021B	91200
LCSD 880-91200/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91200
880-48620-A-3-B MS	Matrix Spike	Total/NA	Solid	8021B	91200
880-48620-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	91200

#### Prep Batch: 91286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91286/5-A	Method Blank	Total/NA	Solid	5035	

#### Prep Batch: 91287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91287/5-A	Method Blank	Total/NA	Solid	5035	

#### Analysis Batch: 91497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48706-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-48706-2	S-1 (2')	Total/NA	Solid	Total BTEX	
880-48706-3	S-1 (3')	Total/NA	Solid	Total BTEX	
880-48706-4	S-1 (4')	Total/NA	Solid	Total BTEX	
880-48706-5	S-1 (5')	Total/NA	Solid	Total BTEX	
880-48706-6	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-48706-7	S-2 (2')	Total/NA	Solid	Total BTEX	
880-48706-8	S-2 (3')	Total/NA	Solid	Total BTEX	
880-48706-9	S-2 (4')	Total/NA	Solid	Total BTEX	
880-48706-10	S-2 (5')	Total/NA	Solid	Total BTEX	
880-48706-11	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-48706-12	S-3 (2')	Total/NA	Solid	Total BTEX	
880-48706-13	S-3 (3')	Total/NA	Solid	Total BTEX	
880-48706-14	S-3 (4')	Total/NA	Solid	Total BTEX	
880-48706-15	S-3 (5')	Total/NA	Solid	Total BTEX	

### GC Semi VOA

### Prep Batch: 91410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48706-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-48706-2	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-48706-3	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-48706-4	S-1 (4')	Total/NA	Solid	8015NM Prep	
880-48706-5	S-1 (5')	Total/NA	Solid	8015NM Prep	
880-48706-6	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-48706-7	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-48706-8	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-48706-9	S-2 (4')	Total/NA	Solid	8015NM Prep	
880-48706-10	S-2 (5')	Total/NA	Solid	8015NM Prep	

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

# GC Semi VOA (Continued)

### Prep Batch: 91410 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91410/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91410/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91410/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48699-A-1-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-48699-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

#### Prep Batch: 91441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48706-11	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-48706-12	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-48706-13	S-3 (3')	Total/NA	Solid	8015NM Prep	
880-48706-14	S-3 (4')	Total/NA	Solid	8015NM Prep	
880-48706-15	S-3 (5')	Total/NA	Solid	8015NM Prep	
MB 880-91441/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91441/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91441/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7144-A-7-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7144-A-7-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

### Analysis Batch: 91462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48706-11	S-3 (0-1')	Total/NA	Solid	8015B NM	91441
880-48706-12	S-3 (2')	Total/NA	Solid	8015B NM	91441
880-48706-13	S-3 (3')	Total/NA	Solid	8015B NM	91441
880-48706-14	S-3 (4')	Total/NA	Solid	8015B NM	91441
880-48706-15	S-3 (5')	Total/NA	Solid	8015B NM	91441
MB 880-91441/1-A	Method Blank	Total/NA	Solid	8015B NM	91441
LCS 880-91441/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91441
LCSD 880-91441/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91441
890-7144-A-7-F MS	Matrix Spike	Total/NA	Solid	8015B NM	91441
890-7144-A-7-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	91441

#### **Analysis Batch: 91463**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48706-1	S-1 (0-1')	Total/NA	Solid	8015B NM	91410
880-48706-2	S-1 (2')	Total/NA	Solid	8015B NM	91410
880-48706-3	S-1 (3')	Total/NA	Solid	8015B NM	91410
880-48706-4	S-1 (4')	Total/NA	Solid	8015B NM	91410
880-48706-5	S-1 (5')	Total/NA	Solid	8015B NM	91410
880-48706-6	S-2 (0-1')	Total/NA	Solid	8015B NM	91410
880-48706-7	S-2 (2')	Total/NA	Solid	8015B NM	91410
880-48706-8	S-2 (3')	Total/NA	Solid	8015B NM	91410
880-48706-9	S-2 (4')	Total/NA	Solid	8015B NM	91410
880-48706-10	S-2 (5')	Total/NA	Solid	8015B NM	91410
MB 880-91410/1-A	Method Blank	Total/NA	Solid	8015B NM	91410
LCS 880-91410/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91410
LCSD 880-91410/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91410
880-48699-A-1-G MS	Matrix Spike	Total/NA	Solid	8015B NM	91410
880-48699-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	91410

**Eurofins Midland** 

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Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

# GC Semi VOA

### Analysis Batch: 91625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48706-1	S-1 (0-1')	Total/NA	Solid	8015 NM	_
880-48706-2	S-1 (2')	Total/NA	Solid	8015 NM	
880-48706-3	S-1 (3')	Total/NA	Solid	8015 NM	
880-48706-4	S-1 (4')	Total/NA	Solid	8015 NM	
880-48706-5	S-1 (5')	Total/NA	Solid	8015 NM	
880-48706-6	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-48706-7	S-2 (2')	Total/NA	Solid	8015 NM	
880-48706-8	S-2 (3')	Total/NA	Solid	8015 NM	
880-48706-9	S-2 (4')	Total/NA	Solid	8015 NM	
880-48706-10	S-2 (5')	Total/NA	Solid	8015 NM	
880-48706-11	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-48706-12	S-3 (2')	Total/NA	Solid	8015 NM	
880-48706-13	S-3 (3')	Total/NA	Solid	8015 NM	
880-48706-14	S-3 (4')	Total/NA	Solid	8015 NM	
880-48706-15	S-3 (5')	Total/NA	Solid	8015 NM	

### HPLC/IC

#### Leach Batch: 91277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48706-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-48706-2	S-1 (2')	Soluble	Solid	DI Leach	
880-48706-3	S-1 (3')	Soluble	Solid	DI Leach	
880-48706-4	S-1 (4')	Soluble	Solid	DI Leach	
880-48706-5	S-1 (5')	Soluble	Solid	DI Leach	
880-48706-6	S-2 (0-1')	Soluble	Solid	DI Leach	
880-48706-7	S-2 (2')	Soluble	Solid	DI Leach	
880-48706-8	S-2 (3')	Soluble	Solid	DI Leach	
880-48706-9	S-2 (4')	Soluble	Solid	DI Leach	
880-48706-10	S-2 (5')	Soluble	Solid	DI Leach	
MB 880-91277/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91277/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91277/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48706-1 MS	S-1 (0-1')	Soluble	Solid	DI Leach	
880-48706-1 MSD	S-1 (0-1')	Soluble	Solid	DI Leach	

#### Leach Batch: 91283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48706-11	S-3 (0-1')	Soluble	Solid	DI Leach	
880-48706-12	S-3 (2')	Soluble	Solid	DI Leach	
880-48706-13	S-3 (3')	Soluble	Solid	DI Leach	
880-48706-14	S-3 (4')	Soluble	Solid	DI Leach	
880-48706-15	S-3 (5')	Soluble	Solid	DI Leach	
MB 880-91283/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91283/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91283/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48706-11 MS	S-3 (0-1')	Soluble	Solid	DI Leach	
880-48706-11 MSD	S-3 (0-1')	Soluble	Solid	DI Leach	

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Client: Carmona Resources Job ID: 880-48706-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

# HPLC/IC

### Analysis Batch: 91299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48706-1	S-1 (0-1')	Soluble	Solid	300.0	91277
880-48706-2	S-1 (2')	Soluble	Solid	300.0	91277
880-48706-3	S-1 (3')	Soluble	Solid	300.0	91277
880-48706-4	S-1 (4')	Soluble	Solid	300.0	91277
880-48706-5	S-1 (5')	Soluble	Solid	300.0	91277
880-48706-6	S-2 (0-1')	Soluble	Solid	300.0	91277
880-48706-7	S-2 (2')	Soluble	Solid	300.0	91277
880-48706-8	S-2 (3')	Soluble	Solid	300.0	91277
880-48706-9	S-2 (4')	Soluble	Solid	300.0	91277
880-48706-10	S-2 (5')	Soluble	Solid	300.0	91277
MB 880-91277/1-A	Method Blank	Soluble	Solid	300.0	91277
LCS 880-91277/2-A	Lab Control Sample	Soluble	Solid	300.0	91277
LCSD 880-91277/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91277
880-48706-1 MS	S-1 (0-1')	Soluble	Solid	300.0	91277
880-48706-1 MSD	S-1 (0-1')	Soluble	Solid	300.0	91277

### Analysis Batch: 91312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48706-11	S-3 (0-1')	Soluble	Solid	300.0	91283
880-48706-12	S-3 (2')	Soluble	Solid	300.0	91283
880-48706-13	S-3 (3')	Soluble	Solid	300.0	91283
880-48706-14	S-3 (4')	Soluble	Solid	300.0	91283
880-48706-15	S-3 (5')	Soluble	Solid	300.0	91283
MB 880-91283/1-A	Method Blank	Soluble	Solid	300.0	91283
LCS 880-91283/2-A	Lab Control Sample	Soluble	Solid	300.0	91283
LCSD 880-91283/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91283
880-48706-11 MS	S-3 (0-1')	Soluble	Solid	300.0	91283
880-48706-11 MSD	S-3 (0-1')	Soluble	Solid	300.0	91283

Job ID: 880-48706-1

SDG: Eddy County. New Mexico

Client Sample ID: S-1 (0-1')

Lab Sample ID: 880-48706-1

Matrix: Solid

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 01:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 01:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			91625	09/23/24 17:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91410	09/21/24 17:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91463	09/23/24 17:30	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	91277	09/20/24 08:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91299	09/20/24 18:59	CH	EET MID

Lab Sample ID: 880-48706-2

Matrix: Solid

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Client Sample ID: S-1 (2')

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 91229 Total/NA Prep 5.02 g 5 mL 09/19/24 13:47 MNR EET MID Total/NA 8021B 5 mL 09/21/24 03:12 **EET MID** Analysis 1 5 mL 91278 MNR Total/NA Total BTEX 91497 09/21/24 03:12 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 91625 09/23/24 17:46 ΑJ **EET MID** Total/NA 9.98 g 91410 TKC Prep 8015NM Prep 10 mL 09/21/24 17:31 **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 91463 09/23/24 17:46 TKC **EET MID** Soluble 09/20/24 08:42 Leach DI Leach 4.99 g 50 mL 91277 SA **EET MID** Soluble Analysis 300.0 10 50 mL 50 mL 91299 09/20/24 19:26 СН **EET MID** 

Client Sample ID: S-1 (3')

Lab Sample ID: 880-48706-3

**Matrix: Solid** 

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 03:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 03:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			91625	09/23/24 18:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91410	09/21/24 17:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91463	09/23/24 18:02	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91277	09/20/24 08:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91299	09/20/24 19:34	CH	EET MID

Client Sample ID: S-1 (4')

Lab Sample ID: 880-48706-4

**Matrix: Solid** 

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

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	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 03:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 03:53	SM	EET MID

Client: Carmona Resources

Project/Site: Spill #2

Job ID: 880-48706-1 SDG: Eddy County. New Mexico

Lab Sample ID: 880-48706-4

Matrix: Solid

Client Sample ID: S-1 (4') Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91625	09/23/24 18:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	91410	09/21/24 17:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91463	09/23/24 18:18	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	91277	09/20/24 08:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91299	09/20/24 20:01	CH	EET MID

Lab Sample ID: 880-48706-5

**Matrix: Solid** 

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Client Sample ID: S-1 (5')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 04:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 04:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			91625	09/23/24 18:34	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91410	09/21/24 17:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91463	09/23/24 18:34	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	91277	09/20/24 08:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91299	09/20/24 20:09	CH	EET MID

Client Sample ID: S-2 (0-1') Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

L	ab S	ample	ID:	880-48706-6
				Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 04:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 04:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			91625	09/23/24 18:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	91410	09/21/24 17:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91463	09/23/24 18:50	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91277	09/20/24 08:42	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91299	09/20/24 20:18	CH	EET MID

Client Sample ID: S-2 (2') Date Collected: 09/13/24 00:00 Lab Sample ID: 880-48706-7 **Matrix: Solid** 

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 04:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 04:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			91625	09/23/24 19:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91410	09/21/24 17:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91463	09/23/24 19:06	TKC	EET MID

### Lab Chronicle

Client: Carmona Resources Job ID: 880-48706-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: S-2 (2') Date Collected: 09/13/24 00:00 Lab Sample ID: 880-48706-7

Matrix: Solid

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	91277	09/20/24 08:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91299	09/20/24 20:27	CH	EET MID

Client Sample ID: S-2 (3') Lab Sample ID: 880-48706-8

**Matrix: Solid** 

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 05:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 05:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			91625	09/23/24 19:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	91410	09/21/24 17:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91463	09/23/24 19:23	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	91277	09/20/24 08:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91299	09/20/24 20:35	CH	EET MID

Client Sample ID: S-2 (4') Lab Sample ID: 880-48706-9

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

**Matrix: Solid** 

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 05:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 05:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			91625	09/23/24 19:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91410	09/21/24 17:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91463	09/23/24 19:40	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91277	09/20/24 08:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91299	09/20/24 20:44	CH	EET MID

Client Sample ID: S-2 (5') Lab Sample ID: 880-48706-10

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 05:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 05:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			91625	09/23/24 19:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	91410	09/21/24 17:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91463	09/23/24 19:56	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91277	09/20/24 08:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91299	09/20/24 20:53	CH	EET MID

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-48706-11

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 06:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 06:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			91625	09/24/24 00:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91441	09/23/24 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91462	09/24/24 00:47	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91312	09/20/24 16:53	CH	EET MID

Lab Sample ID: 880-48706-12

Client Sample ID: S-3 (2') Date Collected: 09/13/24 00:00 Matrix: Solid

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91200	09/19/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91281	09/21/24 07:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 07:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			91625	09/24/24 01:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91441	09/23/24 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91462	09/24/24 01:03	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91312	09/20/24 17:10	CH	EET MID

Client Sample ID: S-3 (3') Lab Sample ID: 880-48706-13 Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91200	09/19/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91281	09/21/24 07:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 07:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			91625	09/24/24 01:36	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	91441	09/23/24 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91462	09/24/24 01:36	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91312	09/20/24 17:15	CH	EET MID

Client Sample ID: S-3 (4') Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48706-14

Date Received: 09/19/24 11:40

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91200	09/19/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91281	09/21/24 07:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 07:48	SM	EET MID

### **Lab Chronicle**

Client: Carmona Resources

Job ID: 880-48706-1
Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: S-3 (4')

Lab Sample ID: 880-48706-14

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91625	09/24/24 01:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91441	09/23/24 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91462	09/24/24 01:51	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91312	09/20/24 17:20	CH	EET MID

Client Sample ID: S-3 (5')

Lab Sample ID: 880-48706-15

Date Collected: 09/13/24 00:00 Matrix: Solid

Date	Received:	09/19/24	11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91200	09/19/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91281	09/21/24 08:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 08:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			91625	09/24/24 02:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	91441	09/23/24 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91462	09/24/24 02:08	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91312	09/20/24 17:26	CH	EET MID

Laboratory References:

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

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# **Accreditation/Certification Summary**

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

### **Laboratory: Eurofins Midland**

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
• ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

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# **Method Summary**

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48706-1 SDG: Eddy County. New Mexico

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

#### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

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

# **Sample Summary**

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48706-1

SDG: Eddy County. New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48706-1	S-1 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-2	S-1 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-3	S-1 (3')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-4	S-1 (4')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-5	S-1 (5')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-6	S-2 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-7	S-2 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-8	S-2 (3')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-9	S-2 (4')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-10	S-2 (5')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-11	S-3 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-12	S-3 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-13	S-3 (3')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-14	S-3 (4')	Solid	09/13/24 00:00	09/19/24 11:40
880-48706-15	S-3 (5')	Solid	09/13/24 00:00	09/19/24 11:40

880-48706 Chain of Custody	Page 1 of 2	Work Order Comments	Brownflelds RRC Liperfund		III DST/UST TRRP Level IV	ADaPT ☐ Other:	Preservative Codes	None: NO DI Water: H <sub>2</sub> O	-	H-SO. H. NaOH. Na	0	NaHSO4: NABIS	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments											Date/Time	01116
880-4870		Wor	Program: UST/PST   PRP   Brownfleids   RRC	State of Project:	Reporting: Level III DST/UST	Deliverables: EDD	ANALYSIS REQUEST																				Received by: (Signature)	
stody		Carmona Resources				es.com	ANALYS		(	- MEC	_	16 30 0 + E			-081	Hdl	× ×	×	×	×	×	××	×	×	×	X X X	Date/Time	
Chain of Custody			.65			mcarmona@carmonaresources.com		Pres.		•		mene 8021	_	.8		# of Cont	- ×	- ×	1 ×	1 ×	1 ×	1 ×	1 ×	٠ ×	1 ×	1 X	Date/	DE INIP
Cha		Bill to: (if different)	Company Name:	Address:	City, State ZIP:		Around	☐ Rush	Standard		Cy No		1	5.		Water Grab/	O	O	ပ	<sub>ව</sub>	9	9	9	9		nner Moehring		
						Email:	Turn	✓ Routine	Due Date:		Wet Ice:					Soll	×	×	×	×	×	×	×	×	×	X X es.com and Co		
							2		ew Mexico	98	Veg No		Correction Factor:	Temperature Reading:	Corrected Temperature:	Time										na@carmonaresourc	Relinquished by: (Signature)	
		inguez	Resources	310 W Wall St Ste 500	X 79701	475	Spill #2	2511	Eddy County, New Mexico	DD & PB	Temp Blank:	Yes No	Yes No NA	Yes No N/A	)	Date	9/13/2024	9/13/2024	9/13/2024	9/13/2024	9/13/2024	9/13/2024	9/13/2024	9/13/2024	9/13/2024	9/13/2024 armona / Mcarmo	Relinquish	
		Project Manager: Devin Dominguez	Company Name: Carmona Resources	Address: 310 W Wa	City, State ZIP: Midland, TX 79701	Phone: 432-701-5475	Project Name:	Project Number:	Project Location	Sampler's Name:	SAMPLE RECEIPT	Received Intact:	Cooler Custody Seals:	Sample Custody Seals:	Total Containers:	Sample Identification	S-1 (0-1')	S-1 (2')	S-1 (3')	S-1 (4')	S-1 (5')	S-2 (0-1')	S-2 (2')	S-2 (3')	S-2 (4')	S-2 (5)   9/13/2024   X   X   G   1   X   X   X   Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com		

Work Order No:

Project Manager:	Devin Dominguez			Bill to: (if different)	rent)	Carm	Carmona Resources	urces					Work Ord	Work Order Comments	
	Carmona Resources			Company Name	ame:						Progr	Program: UST/PST	□PRP □	PRP Brownflelds RRC	cnperfund
	310 W Wall St Ste 500			Address:							State	State of Project:			1
City, State ZIP:	Midland, TX 79701			City, State ZIP:	IP:						Repo	Reporting:Level II Level III DST/UST	Level III		☐RRP ☐ Level IV
	432-701-5475		Email:	mcarmona@carmonaresources.com	@carmol	aresourc	ss.com				Delive	Deliverables: EDD	□	ADaPT Other:	er:
Project Name:	Spill #2	#2	Turn	Around					ANA	ANALYSIS REQUEST	EQUEST			Prese	Preservative Codes
Project Number:	2511	11	✓ Routine	Rush	T 0	Pres. Code								None: NO	DI Water: H <sub>2</sub> O
Project Location	Eddy County, New Mexico	New Mexico	Due Date:	Standard										Cool: Cool	MeOH: Me
Sampler's Name:	DD & PB	PB					(оы							HCL: HC	HNO <sub>3</sub> : HN
PO #:						SI	N + (							H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT	T Temp Blank:	Yes No	Wet Ice:	Yes	No	nete	рвс	0.00						H <sub>3</sub> PO₄: HP	
Received Intact:	Yes No	Thermometer ID:					+ 0	Je 3						NaHSO₄: NABIS	BIS
Cooler Custody Seals:	Yes No N/A	Correction Factor:				SY X3T	ଧ୭)	inol						Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	SO3
Sample Custody Seals:	Yes No N/A	Temperature Reading:				.8	WSI							Zn Acetate+NaOH: Zn	NaOH: Zn
Total Containers:		Corrected Temperature:					08 1							NaOH+Asco	NaOH+Ascorbic Acid: SAPC
Sample Identification	Date	Time	Soll	Water	Grab/ #	# of Cont	łдт							Samp	Sample Comments
S-3 (0-1')	1') 9/13/2024		×		ပ	×	×	×							
S-3 (2')	') 9/13/2024		×		ပ	×	×	×							
S-3 (3,)	1) 9/13/2024		×		ပ	1 X	×	×							
S-3 (4')	') 9/13/2024		×		9	1 X	×	×							
S-3 (5')	') 9/13/2024		×		g	1 X	×	×							
									1		-		+		
Comments: Email	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	nona@carmonaresourc	es.com and Co	nner Moe	ring / Cn	oehring(	gcarmo	naresourc	ces.com						
															i
	Relinquis	Relinquished by: (Signature)				Date	Date/Time			1	eeived t	Received by: (Signature)	(F)		Date/Time
		_				9/19/194	7				)			6	10
								_		_	_				

# **Login Sample Receipt Checklist**

Client: Carmona Resources Job Number: 880-48706-1

SDG Number: Eddy County. New Mexico

Login Number: 48706 List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

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

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**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

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

Generated 9/24/2024 12:14:06 PM

# **JOB DESCRIPTION**

Spil #2 Eddy County. New Mexico

# **JOB NUMBER**

880-48705-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

# **Eurofins Midland**

## **Job Notes**

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

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

# **Authorization**

Generated 9/24/2024 12:14:06 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 8

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Client: Carmona Resources Project/Site: Spil #2 Laboratory Job ID: 880-48705-1 SDG: Eddy County. New Mexico

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## **Definitions/Glossary**

Job ID: 880-48705-1 Client: Carmona Resources Project/Site: Spil #2 SDG: Eddy County. New Mexico

#### **Qualifiers**

**GC VOA** 

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

#### **GC Semi VOA**

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

## **HPLC/IC**

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

## **Glossary**

Abbreviation These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis %R Percent Recovery CFL Contains Free Liquid

CFU Colony Forming Unit **CNF** Contains No Free Liquid DFR

Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor** 

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

**EDL** Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit NC

Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

**PRES** Presumptive QC **Quality Control** 

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

**TNTC** Too Numerous To Count

### **Case Narrative**

Client: Carmona Resources

Project: Spil #2

Job ID: 880-48705-1

Job ID: 880-48705-1 Eurofins Midland

# Job Narrative 880-48705-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
  situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
  specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 9/19/2024 11:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

#### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-1') (880-48705-1), H-2 (0-1') (880-48705-2), H-3 (0-1') (880-48705-3) and H-4 (0-1') (880-48705-4).

#### **GC VOA**

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-91200 and 880-91287 and analytical batch 880-91281 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-91200 and analytical batch 880-91281 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: H-1 (0-1') (880-48705-1). Evidence of matrix interferences is not obvious.

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

#### **Diesel Range Organics**

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: H-1 (0-1') (880-48705-1). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: H-2 (0-1') (880-48705-2), H-4 (0-1') (880-48705-4), (880-48699-A-1-F), (880-48699-A-1-G MS) and (880-48699-A-1-H MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-91463 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-91463/21).

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

#### HPLC/IC

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

**Eurofins Midland** 

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Client: Carmona Resources

Job ID: 880-48705-1

Project/Site: Spil #2

SDG: Eddy County. New Mexico

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

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48705-1

09/23/24 16:09

Analyzed

09/20/24 18:25

Dil Fac

10

09/21/24 17:31

Prepared

D

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 05:46	
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 05:46	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 05:46	
m-Xylene & p-Xylene	0.00666		0.00400		mg/Kg		09/19/24 13:30	09/21/24 05:46	
o-Xylene	0.0117		0.00200		mg/Kg		09/19/24 13:30	09/21/24 05:46	
Xylenes, Total	0.0184		0.00400		mg/Kg		09/19/24 13:30	09/21/24 05:46	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	423	S1+	70 - 130				09/19/24 13:30	09/21/24 05:46	
1,4-Difluorobenzene (Surr)	122		70 - 130				09/19/24 13:30	09/21/24 05:46	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
	•		•			_			
Analyte Total TPH	<del>Kesuit</del> 	Qualifier	——————————————————————————————————————	MDL	Unit mg/Kg	D	Prepared	Analyzed 09/23/24 16:09	Dil Fa
Method: SW846 8015B NM - Die					g/.tg			00/20/21 10:00	
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		09/21/24 17:31	09/23/24 16:09	
5 5	<49.7	U	49.7		mg/Kg		09/21/24 17:31	09/23/24 16:09	
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.7 <49.7		49.7 49.7		mg/Kg mg/Kg		09/21/24 17:31 09/21/24 17:31	09/23/24 16:09 09/23/24 16:09	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/21/24 17:31	09/23/24 16:09	
(GRO)-C6-C10		U							
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/21/24 17:31	09/23/24 16:09	Dil Fa

Client Sample ID: H-2 (0-1')

Date Collected: 09/13/24 00:00

Matrix: Solid

RL

49.8

MDL Unit

mg/Kg

70 - 130

145 S1+

Result Qualifier

1250

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Date Received: 09/19/24 11:40

o-Terphenyl

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:30	09/21/24 06:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:30	09/21/24 06:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				09/19/24 13:30	09/21/24 06:06	1
1,4-Difluorobenzene (Surr)	103		70 - 130				09/19/24 13:30	09/21/24 06:06	1

Client: Carmona Resources Job ID: 880-48705-1 SDG: Eddy County. New Mexico Project/Site: Spil #2

Client Sample ID: H-2 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48705-2

**Matrix: Solid** 

Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/21/24 06:06	1
_									

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

Result Qualifier RLMDL Unit Prepared Analyzed Dil Fac D Total TPH <49.9 U 49.9 09/23/24 16:25 mg/Kg

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 16:25	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 16:25	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 16:25	1

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 147 S1+ 70 - 130 09/21/24 17:31 09/23/24 16:25 1-Chlorooctane o-Terphenyl 130 70 - 130 09/21/24 17:31 09/23/24 16:25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 12000 248 mg/Kg 09/20/24 18:33 50

Client Sample ID: H-3 (0-1') Lab Sample ID: 880-48705-3 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:30	09/21/24 06:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:30	09/21/24 06:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				09/19/24 13:30	09/21/24 06:27	1
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX -	94 Total BTEX Cald	culation	70 - 130				09/19/24 13:30	09/21/24 06:27	1
Method: TAL SOP Total BTEX - Analyte	Total BTEX Cald	Qualifier	RL	MDL	Unit	<u>D</u>	09/19/24 13:30 Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX - Analyte  Total BTEX	Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			
Method: TAL SOP Total BTEX - Analyte Total BTEX	Total BTEX Calc Result <0.00399	<b>Qualifier</b> U	RL 0.00399	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte	Total BTEX Calc Result < 0.00399 sel Range Organ	<b>Qualifier</b> U	RL 0.00399			<u>D</u>		Analyzed	
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies	Total BTEX Calc Result < 0.00399 sel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00399		mg/Kg		Prepared	Analyzed 09/21/24 06:27	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH	rotal BTEX Calc Result <0.00399 sel Range Organ Result <50.0	Qualifier U ics (DRO) ( Qualifier U	RL 0.00399  GC)  RL 50.0		mg/Kg		Prepared	Analyzed 09/21/24 06:27 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH  Method: SW846 8015B NM - Die	rotal BTEX Calc Result <0.00399 sel Range Organ Result <50.0 esel Range Organ	Qualifier U ics (DRO) ( Qualifier U	RL 0.00399  GC)  RL 50.0		mg/Kg  Unit mg/Kg		Prepared	Analyzed 09/21/24 06:27 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte	rotal BTEX Calc Result <0.00399 sel Range Organ Result <50.0 esel Range Organ	Qualifier U  ics (DRO) ( Qualifier U  nics (DRO) Qualifier	RL 0.00399  GC)  RL 50.0	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 06:27  Analyzed 09/23/24 16:42	Dil Fac

Job ID: 880-48705-1 Client: Carmona Resources Project/Site: Spil #2 SDG: Eddy County. New Mexico

Client Sample ID: H-3 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48705-3

Matrix: Solid

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC) (Continu	ied)				
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/21/24 17:31	09/23/24 16:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130			09/21/24 17:31	09/23/24 16:42	1
o-Terphenyl	114		70 - 130			09/21/24 17:31	09/23/24 16:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Dil Fac Analyte Unit D Prepared Analyzed 50.2 09/20/24 18:42 2150 10 Chloride mg/Kg

Client Sample ID: H-4 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48705-4

**Matrix: Solid** 

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00202 U 0.00202 09/19/24 13:30 09/21/24 06:47 mg/Kg Toluene <0.00202 U 0.00202 09/19/24 13:30 09/21/24 06:47 mg/Kg Ethylbenzene <0.00202 U 0.00202 09/19/24 13:30 09/21/24 06:47 mg/Kg m-Xylene & p-Xylene 09/19/24 13:30 09/21/24 06:47 <0.00403 U 0.00403 mg/Kg o-Xylene <0.00202 U 0.00202 mg/Kg 09/19/24 13:30 09/21/24 06:47 Xylenes, Total <0.00403 U 0.00403 mg/Kg 09/19/24 13:30 09/21/24 06:47

%Recovery Limits Dil Fac Surrogate Qualifier Prepared Analyzed 70 - 130 4-Bromofluorobenzene (Surr) 118 09/19/24 13:30 09/21/24 06:47 1,4-Difluorobenzene (Surr) 70 - 130 111 09/19/24 13:30 09/21/24 06:47

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Total BTEX <0.00403 U 0.00403 mg/Kg 09/21/24 06:47

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Dil Fac RL Unit D Prepared Analyzed Total TPH <49.8 Ū 49.8 09/23/24 16:58 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <49.8 U 49.8 09/21/24 17:31 09/23/24 16:58 mg/Kg (GRO)-C6-C10 09/21/24 17:31 09/23/24 16:58 Diesel Range Organics (Over <49.8 U 49.8 mg/Kg Oil Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg 09/21/24 17:31 09/23/24 16:58

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 135 S1+ 70 - 130 09/21/24 17:31 09/23/24 16:58 70 - 130 09/21/24 17:31 o-Terphenyl 125 09/23/24 16:58

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Unit Dil Fac RL Prepared Analyzed Chloride 252 09/20/24 18:51 50 14100 mg/Kg

# **Surrogate Summary**

Client: Carmona Resources Job ID: 880-48705-1 Project/Site: Spil #2 SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-48620-A-3-B MS	Matrix Spike	105	102
880-48620-A-3-C MSD	Matrix Spike Duplicate	108	99
880-48705-1	H-1 (0-1')	423 S1+	122
880-48705-2	H-2 (0-1')	107	103
880-48705-3	H-3 (0-1')	103	94
880-48705-4	H-4 (0-1')	118	111
LCS 880-91200/1-A	Lab Control Sample	120	105
LCSD 880-91200/2-A	Lab Control Sample Dup	113	103
MB 880-91200/5-A	Method Blank	150 S1+	95
MB 880-91287/5-A	Method Blank	213 S1+	127

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

		1CO1	ОТРН1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48699-A-1-G MS	Matrix Spike	132 S1+	126	
880-48699-A-1-H MSD	Matrix Spike Duplicate	131 S1+	126	
880-48705-1	H-1 (0-1')	162 S1+	145 S1+	
880-48705-2	H-2 (0-1')	147 S1+	130	
880-48705-3	H-3 (0-1')	126	114	
880-48705-4	H-4 (0-1')	135 S1+	125	
_CS 880-91410/2-A	Lab Control Sample	111	106	
LCSD 880-91410/3-A	Lab Control Sample Dup	113	107	
MB 880-91410/1-A	Method Blank	118	106	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Carmona Resources Job ID: 880-48705-1 SDG: Eddy County. New Mexico Project/Site: Spil #2

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91200/5-A

Lab Sample ID: LCS 880-91200/1-A

**Matrix: Solid** 

Analysis Batch: 91281

**Matrix: Solid** Analysis Batch: 91281 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91200

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 11:05	09/21/24 00:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 11:05	09/21/24 00:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 11:05	09/21/24 00:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 11:05	09/21/24 00:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 11:05	09/21/24 00:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 11:05	09/21/24 00:23	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130	09/19/24 11:05	09/21/24 00:23	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/19/24 11:05	09/21/24 00:23	1

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 91200

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09646 mg/Kg 96 70 - 130 Toluene 0.100 0.08354 mg/Kg 84 70 - 130 0.100 105 Ethylbenzene 0.1052 mg/Kg 70 - 130 0.200 0.2206 110 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.1053 105 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	120	70 - 130
1,4-Difluorobenzene (Surr)	105	70 - 130

Lab Sample ID: LCSD 880-91200/2-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

Analysis Batch: 91281

	Prep Type	: Total/NA			
	Prep Batch: 9120				
LCSD LCSD	%Rec	RPD			

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09535		mg/Kg		95	70 - 130	1	35
Toluene	0.100	0.08409		mg/Kg		84	70 - 130	1	35
Ethylbenzene	0.100	0.1019		mg/Kg		102	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2014		mg/Kg		101	70 - 130	9	35
o-Xylene	0.100	0.1035		mg/Kg		104	70 - 130	2	35
Ethylbenzene m-Xylene & p-Xylene	0.100 0.200	0.1019 0.2014		mg/Kg mg/Kg		102	70 - 130 70 - 130	1 3 9 2	35 35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	113	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: 880-48620-A-3-B MS

**Matrix: Solid** 

Analysis Batch: 91281

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 91200

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.101	0.07737		mg/Kg		77	70 - 130	 
Toluene	<0.00202	U F1	0.101	0.05667	F1	mg/Kg		56	70 - 130	

Client: Carmona Resources Job ID: 880-48705-1 Project/Site: Spil #2 SDG: Eddy County. New Mexico

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

Lab Sample ID: 880-48620-A-3-B MS

**Matrix: Solid** 

Analysis Batch: 91281

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91200

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00202	U F1	0.101	0.05931	F1	mg/Kg		59	70 - 130	
m-Xylene & p-Xylene	<0.00404	U F1	0.202	0.1198	F1	mg/Kg		59	70 - 130	
o-Xylene	<0.00202	U F1	0.101	0.05967	F1	mg/Kg		59	70 - 130	

MS MS

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	105	70 - 130
1,4-Difluorobenzene (Surr)	102	70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91200

Lab Sample ID: 880-48620-A-3-C MSD **Matrix: Solid** 

Analysis Batch: 91281

Sample Sample Spike MSD MSD RPD Result Qualifier Result Qualifier %Rec RPD Limit Analyte babbA Unit Limits 0.0998 Benzene <0.00202 U 0.07784 mg/Kg 78 70 - 130 35 Toluene <0.00202 UF1 0.0998 0.06112 F1 mg/Kg 61 70 - 130 8 35 Ethylbenzene <0.00202 UF1 0.0998 0.05437 F1 54 70 - 130 9 35 mg/Kg 0.200 35 m-Xylene & p-Xylene <0.00404 U F1 0.1098 F1 mq/Kq 55 70 - 130 <0.00202 U F1 0.0998 0.06336 F1 63 70 - 130 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	108	70 - 130
1 4-Diffuorobenzene (Surr)	99	70 130

Lab Sample ID: MB 880-91287/5-A

**Matrix: Solid** 

Analysis Batch: 91281

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91287

MDL Unit Result Qualifier Prepared Dil Fac Analyte RL Analyzed Benzene <0.00200 U 0.00200 mg/Kg 09/20/24 09:22 09/20/24 12:44 Toluene <0.00200 U 0.00200 09/20/24 09:22 09/20/24 12:44 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg 09/20/24 09:22 09/20/24 12:44 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 09/20/24 09:22 09/20/24 12:44 0.00200 09/20/24 09:22 09/20/24 12:44 o-Xylene <0.00200 U mg/Kg 09/20/24 12:44 Xylenes, Total <0.00400 U 0.00400 mg/Kg 09/20/24 09:22

MB MB

мв мв

<50.0 U

Result Qualifier

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	213	S1+	70 - 130	09/20/24 09:22	09/20/24 12:44	1
1,4-Difluorobenzene (Surr)	127		70 - 130	09/20/24 09:22	09/20/24 12:44	1

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

Lab Sample ID: MB 880-91410/1-A

**Matrix: Solid** 

**Analysis Batch: 91463** 

Gasoline Range Organics

Client Sample ID: Method Blank

Prepared

09/21/24 17:30

Prep Type: Total/NA Prep Batch: 91410

Analyzed 09/23/24 11:38

(GRO)-C6-C10

Analyte

**Eurofins Midland** 

RL

50.0

MDL Unit

mg/Kg

Client: Carmona Resources Job ID: 880-48705-1 Project/Site: Spil #2 SDG: Eddy County. New Mexico

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

Lab Sample ID: MB 880-91410/1-A **Matrix: Solid** 

**Analysis Batch: 91463** 

**Matrix: Solid** 

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 91410

MB MB Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <50.0 U 50.0 09/21/24 17:30 09/23/24 11:38 Diesel Range Organics (Over mg/Kg C10-C28) Oil Range Organics (Over C28-C36) 50.0 09/21/24 17:30 09/23/24 11:38 <50.0 U mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	09/21/24 17:30	09/23/24 11:38	1
o-Terphenyl	106		70 - 130	09/21/24 17:30	09/23/24 11:38	1

**Client Sample ID: Lab Control Sample** 

Lab Sample ID: LCS 880-91410/2-A Prep Type: Total/NA

**Analysis Batch: 91463** Prep Batch: 91410

	Spike	LUS	LUS				70 KeC	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	986.6		mg/Kg		99	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	856.2		mg/Kg		86	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-91410/3-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

Ana

trix: Solid							Prep '	Type: To	tal/NA			
alysis Batch: 91463							Prep	Prep Batch: 91410				
	Spike	LCSD	LCSD				%Rec		RPD			
llyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit			
coline Range Organics	1000	976.6		ma/Ka		98	70 130	1	20			

Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	976.6		mg/Kg		98	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	873.8		mg/Kg		87	70 - 130	2	20
C10-C28)									

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 113 70 - 130

107

Lab Sample ID: 880-48699-A-1-G MS Client Sample ID: Matrix Spike

70 - 130

**Matrix: Solid** 

**Analysis Batch: 91463** 

o-Terphenyl

Prep Type: Total/NA Prep Batch: 91410

MS MS Spike %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <50.1 U 1010 111 70 - 130 Gasoline Range Organics 1113 mg/Kg (GRO)-C6-C10 1010 1080 Diesel Range Organics (Over <50.1 U mg/Kg 105 70 - 130 C10-C28)

MS MS

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Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	126		70 - 130

Client: Carmona Resources Job ID: 880-48705-1 SDG: Eddy County. New Mexico Project/Site: Spil #2

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

Lab Sample ID: 880-48699-A-1-H MSD Client Sample ID: Matrix Spike Duplicate

**Matrix: Solid** 

Prep Type: Total/NA

**Analysis Batch: 91463** Prep Batch: 91410

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1102		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over	<50.1	U	1010	1112		mg/Kg		108	70 - 130	3	20

C10-C28)

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	126		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91277/1-A Client Sample ID: Method Blank **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 91299

мв мв

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			09/20/24 16:31	1

Lab Sample ID: LCS 880-91277/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 91299** 

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	233.6	-	mg/Kg		93	90 - 110	 

Lab Sample ID: LCSD 880-91277/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 91299** 

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	23/1.7		ma/Ka		0/	90 110		20	

Lab Sample ID: 880-48699-A-1-C MS Client Sample ID: Matrix Spike **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 91299

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	8.67		249	242.0		mg/Kg		94	90 - 110	

Lab Sample ID: 880-48699-A-1-D MSD Client Sample ID: Matrix Spike Duplicate

**Matrix: Solid** 

Analysis Ratch: 91299

Alialysis Dalcii. 31233											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	8.67		249	242.5		mg/Kg		94	90 - 110		20

**Eurofins Midland** 

**Prep Type: Soluble** 

# **QC Association Summary**

Client: Carmona Resources

Job ID: 880-48705-1

Project/Site: Spil #2

SDG: Eddy County. New Mexico

## **GC VOA**

## Prep Batch: 91200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48705-1	H-1 (0-1')	Total/NA	Solid	5035	
880-48705-2	H-2 (0-1')	Total/NA	Solid	5035	
880-48705-3	H-3 (0-1')	Total/NA	Solid	5035	
880-48705-4	H-4 (0-1')	Total/NA	Solid	5035	
MB 880-91200/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91200/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91200/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48620-A-3-B MS	Matrix Spike	Total/NA	Solid	5035	
880-48620-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

#### Analysis Batch: 91281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48705-1	H-1 (0-1')	Total/NA	Solid	8021B	91200
880-48705-2	H-2 (0-1')	Total/NA	Solid	8021B	91200
880-48705-3	H-3 (0-1')	Total/NA	Solid	8021B	91200
880-48705-4	H-4 (0-1')	Total/NA	Solid	8021B	91200
MB 880-91200/5-A	Method Blank	Total/NA	Solid	8021B	91200
MB 880-91287/5-A	Method Blank	Total/NA	Solid	8021B	91287
LCS 880-91200/1-A	Lab Control Sample	Total/NA	Solid	8021B	91200
LCSD 880-91200/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91200
880-48620-A-3-B MS	Matrix Spike	Total/NA	Solid	8021B	91200
880-48620-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	91200

### Prep Batch: 91287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91287/5-A	Method Blank	Total/NA	Solid	5035	

### Analysis Batch: 91496

<b>Lab Sample ID</b> 880-48705-1	Client Sample ID H-1 (0-1')	Prep Type  Total/NA	Matrix Solid	Method Total BTEX	Prep Batch
880-48705-2	H-2 (0-1')	Total/NA	Solid	Total BTEX	
880-48705-3	H-3 (0-1')	Total/NA	Solid	Total BTEX	
880-48705-4	H-4 (0-1')	Total/NA	Solid	Total BTEX	

#### **GC Semi VOA**

#### Prep Batch: 91410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48705-1	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-48705-2	H-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-48705-3	H-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-48705-4	H-4 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-91410/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91410/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91410/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48699-A-1-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-48699-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 91463

Г					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48705-1	H-1 (0-1')	Total/NA	Solid	8015B NM	91410

**Eurofins Midland** 

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# **QC Association Summary**

Client: Carmona Resources Job ID: 880-48705-1 Project/Site: Spil #2 SDG: Eddy County. New Mexico

## GC Semi VOA (Continued)

## **Analysis Batch: 91463 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48705-2	H-2 (0-1')	Total/NA	Solid	8015B NM	91410
880-48705-3	H-3 (0-1')	Total/NA	Solid	8015B NM	91410
880-48705-4	H-4 (0-1')	Total/NA	Solid	8015B NM	91410
MB 880-91410/1-A	Method Blank	Total/NA	Solid	8015B NM	91410
LCS 880-91410/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91410
LCSD 880-91410/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91410
880-48699-A-1-G MS	Matrix Spike	Total/NA	Solid	8015B NM	91410
880-48699-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	91410

#### Analysis Batch: 91633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
880-48705-1	H-1 (0-1')	Total/NA	Solid	8015 NM
880-48705-2	H-2 (0-1')	Total/NA	Solid	8015 NM
880-48705-3	H-3 (0-1')	Total/NA	Solid	8015 NM
880-48705-4	H-4 (0-1')	Total/NA	Solid	8015 NM

#### HPLC/IC

#### Leach Batch: 91277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48705-1	H-1 (0-1')	Soluble	Solid	DI Leach	
880-48705-2	H-2 (0-1')	Soluble	Solid	DI Leach	
880-48705-3	H-3 (0-1')	Soluble	Solid	DI Leach	
880-48705-4	H-4 (0-1')	Soluble	Solid	DI Leach	
MB 880-91277/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91277/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91277/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48699-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-48699-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

#### Analysis Batch: 91299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48705-1	H-1 (0-1')	Soluble	Solid	300.0	91277
880-48705-2	H-2 (0-1')	Soluble	Solid	300.0	91277
880-48705-3	H-3 (0-1')	Soluble	Solid	300.0	91277
880-48705-4	H-4 (0-1')	Soluble	Solid	300.0	91277
MB 880-91277/1-A	Method Blank	Soluble	Solid	300.0	91277
LCS 880-91277/2-A	Lab Control Sample	Soluble	Solid	300.0	91277
LCSD 880-91277/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91277
880-48699-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	91277
880-48699-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	91277

**Eurofins Midland** 

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Job ID: 880-48705-1

SDG: Eddy County. New Mexico

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

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48705-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	91200	09/19/24 13:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91281	09/21/24 05:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91496	09/21/24 05:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			91633	09/23/24 16:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91410	09/21/24 17:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91463	09/23/24 16:09	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91277	09/20/24 08:42	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91299	09/20/24 18:25	CH	EET MID

Lab Sample ID: 880-48705-2

Matrix: Solid

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Client Sample ID: H-2 (0-1')

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 91200 Total/NA 4.99 g 5 mL 09/19/24 13:30 MNR EET MID Total/NA 8021B 5 mL **EET MID** Analysis 1 5 mL 91281 09/21/24 06:06 MNR Total/NA Total BTEX 91496 09/21/24 06:06 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 91633 09/23/24 16:25 SM **EET MID** Total/NA 91410 TKC Prep 8015NM Prep 10.02 g 10 mL 09/21/24 17:31 EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 91463 09/23/24 16:25 TKC **EET MID** Soluble Leach DI Leach 5.04 g 50 mL 91277 09/20/24 08:42 SA **EET MID** Soluble Analysis 300.0 50 50 mL 50 mL 91299 09/20/24 18:33 СН **EET MID** 

Client Sample ID: H-3 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48705-3

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91200	09/19/24 13:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91281	09/21/24 06:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91496	09/21/24 06:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			91633	09/23/24 16:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91410	09/21/24 17:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91463	09/23/24 16:42	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	91277	09/20/24 08:42	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91299	09/20/24 18:42	CH	EET MID

Client Sample ID: H-4 (0-1')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample ID: 880-4	8705-4
Matr	ix: Solid

alyst	Lab	
R	EET MID	_
R	FET MID	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91200	09/19/24 13:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91281	09/21/24 06:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91496	09/21/24 06:47	SM	EET MID

## Lab Chronicle

Client: Carmona Resources

Job ID: 880-48705-1

Project/Site: Spil #2

SDG: Eddy County. New Mexico

Client Sample ID: H-4 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48705-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91633	09/23/24 16:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91410	09/21/24 17:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91463	09/23/24 16:58	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	91277	09/20/24 08:42	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	91299	09/20/24 18:51	CH	EET MID

#### Laboratory References:

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

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# **Accreditation/Certification Summary**

Client: Carmona Resources

Job ID: 880-48705-1

Project/Site: Spil #2

SDG: Eddy County. New Mexico

## **Laboratory: Eurofins Midland**

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

Authority	Progr	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
0 ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

1

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7

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## **Method Summary**

Client: Carmona Resources

Job ID: 880-48705-1 Project/Site: Spil #2 SDG: Eddy County. New Mexico

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

#### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

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

# **Sample Summary**

Client: Carmona Resources Project/Site: Spil #2

Job ID: 880-48705-1

SDG: Eddy County. New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48705-1	H-1 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48705-2	H-2 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48705-3	H-3 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48705-4	H-4 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40

A	Carmona Resources   Carmona Resources   Carmona Resources   Carmona Resources   Comments   Page   1 of 1
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# **Login Sample Receipt Checklist**

Client: Carmona Resources

Job Number: 880-48705-1

SDG Number: Eddy County. New Mexico

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

Login Number: 48705

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

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**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

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

Generated 9/25/2024 5:34:02 PM

# **JOB DESCRIPTION**

Spill #2 Eddy County. New Mexico

# **JOB NUMBER**

880-48707-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

# **Eurofins Midland**

## **Job Notes**

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

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

# **Authorization**

Generated 9/25/2024 5:34:02 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

Client: Carmona Resources Project/Site: Spill #2 Laboratory Job ID: 880-48707-1 SDG: Eddy County. New Mexico

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4.6

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## **Definitions/Glossary**

Job ID: 880-48707-1 Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

#### **Qualifiers**

**GC VOA** 

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

**Qualifier Description** 

#### **GC Semi VOA**

Qualifier

	•
*_	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.

S1+ U

Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.

#### **HPLC/IC**

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

## **Glossary** Abbreviation

Listed under the "D" column to designate that the result is reported on a dry weight basis %R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid DER

Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor** 

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

These commonly used abbreviations may or may not be present in this report.

DLC Decision Level Concentration (Radiochemistry) EDL Estimated Detection Limit (Dioxin) Limit of Detection (DoD/DOE) LOD Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) MLMPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

Negative / Absent NEG POS Positive / Present

PQL Practical Quantitation Limit

**PRES** Presumptive QC **Quality Control** 

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RI

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF **TEQ** Toxicity Equivalent Quotient (Dioxin)

**TNTC** Too Numerous To Count

### **Case Narrative**

Client: Carmona Resources Job ID: 880-48707-1

Project: Spill #2

Job ID: 880-48707-1 Eurofins Midland

#### Job Narrative 880-48707-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
  situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
  specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 9/19/2024 11:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

#### **GC VOA**

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-91227 and analytical batch 880-91420 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BG-4 (2') (880-48707-8), BG-6 (0-1') (880-48707-10), BG-7 (0-1') (880-48707-12), BG-9 (2') (880-48707-17), BG-10 (2') (880-48707-19) and BG-11 (0-1') (880-48707-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-91228 and analytical batch 880-91280 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-91278 recovered under the lower control limit for Toluene and Ethylbenzene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

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

#### **Diesel Range Organics**

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-91409 and analytical batch 880-91414 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (880-48608-A-1-D MS). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: BG-21 (2') (880-48707-41), BG-22 (2') (880-48707-43), BG-23 (2') (880-48707-45), BG-24 (0-1') (880-48707-46), BG-24 (2') (880-48707-47), BG-25 (0-1') (880-48707-48) and BG-25 (2') (880-48707-49). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-91409 and analytical batch 880-91414 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-91411 and 880-91412 and analytical batch 880-91416 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: BG-1 (0-1') (880-48707-1), BG-1 (2') (880-48707-2), BG-2 (0-1') (880-48707-3), BG-2 (2') (880-48707-4), BG-3 (0-1') (880-48707-5), BG-3 (2') (880-48707-6), BG-4 (0-1') (880-48707-7), BG-4 (2') (880-48707-8), BG-5 (0-1') (880-48707-9), BG-6 (0-1') (880-48707-10), BG-6 (2') (880-48707-11),

**Eurofins Midland** 

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#### **Case Narrative**

Client: Carmona Resources Job ID: 880-48707-1

Project: Spill #2

### Job ID: 880-48707-1 (Continued)

## **Eurofins Midland**

BG-7 (0-1') (880-48707-12), BG-7 (2') (880-48707-13), BG-8 (0-1') (880-48707-14), BG-8 (2') (880-48707-15), BG-9 (0-1') (880-48707-16), BG-9 (2') (880-48707-17), BG-10 (0-1') (880-48707-18), BG-10 (2') (880-48707-19), BG-11 (0-1') (880-48707-20), BG-11 (2') (880-48707-21), BG-12 (0-1') (880-48707-22), BG-12 (2') (880-48707-23), BG-13 (0-1') (880-48707-24), BG-13 (2') (880-48707-25), BG-14 (0-1') (880-48707-26), BG-14 (2') (880-48707-27), BG-15 (0-1') (880-48707-28), BG-15 (2') (880-48707-29), BG-16 (0-1') (880-48707-30), BG-16 (2') (880-48707-31), BG-17 (0-1') (880-48707-32), BG-17 (2') (880-48707-33), BG-18 (0-1') (880-48707-34), BG-18 (2') (880-48707-35), BG-19 (0-1') (880-48707-36), BG-19 (2') (880-48707-37), BG-20 (0-1') (880-48707-38), BG-20 (2') (880-48707-39), BG-21 (0-1') (880-48707-40), (880-48707-A-1-F MS), (880-48707-A-1-G MSD), (880-48707-A-21-F MS) and (880-48707-A-21-G MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-91411 and analytical batch 880-91416 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample duplicate (LCSD) recovery was within acceptance limits.

Method 8015MOD\_NM: The laboratory control sample (LCS) for preparation batch 880-91411 and analytical batch 880-91416 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). Since only an acceptable LCS or LCSD is required per the method, the LCSD shows recovery for the batch therefore the data has been qualified and reported.

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-91412 and analytical batch 880-91416 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-91285 and analytical batch 880-91341 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-91283 and analytical batch 880-91312 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-91284 and analytical batch 880-91328 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: BG-1 (0-1')

Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 16:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 16:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 16:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 13:42	09/22/24 16:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 16:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 13:42	09/22/24 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				09/19/24 13:42	09/22/24 16:33	1
1,4-Difluorobenzene (Surr)	109		70 <sub>-</sub> 130				09/19/24 13:42	09/22/24 16:33	1

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Factor

 Total BTEX
 <0.00404</td>
 U
 0.00404
 mg/Kg
 09/22/24 16:33
 11

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

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total TPH
 <49.9</td>
 U
 49.9
 mg/Kg
 09/22/24 09:26
 1

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

Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <49.9 U \*- \*1 Gasoline Range Organics 49.9 09/21/24 17:33 09/22/24 09:26 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U \*- \*1 F1 49.9 09/21/24 17:33 09/22/24 09:26 mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 09/21/24 17:33 09/22/24 09:26

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 162 S1+ 70 - 130 09/21/24 17:33 09/22/24 09:26 168 S1+ 70 - 130 09/21/24 17:33 09/22/24 09:26 o-Terphenyl

 $\label{lem:method:epa300.0-Anions} \textbf{Method: EPA 300.0-Anions, lon Chromatography - Soluble}$ 

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 9380
 99.8
 mg/Kg
 09/20/24 17:42
 20

Client Sample ID: BG-1 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48707-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:42	09/22/24 16:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:42	09/22/24 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				09/19/24 13:42	09/22/24 16:53	1
1.4-Difluorobenzene (Surr)	111		70 - 130				09/19/24 13:42	09/22/24 16:53	1

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Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-1 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-2

Matrix: Solid

Method: IAL SOP Total BTEX - Total BT	EX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/22/24 16:53	1
Method: SW846 8015 NM - Diesel Range	Organ	ics (DRO) (GC)							
Amalista	Daguile	Ouglities	DI.	MDI	11-14		Duamanad	A malumad	Dil Faa

Method: 544846 8015 NM - Diesei F	Range Organics (DRO) (GC	•)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5 U	50.5	mg/Kg			09/22/24 10:23	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 10:23	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 10:23	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:33	09/22/24 10:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	179	S1+	70 - 130				09/21/24 17:33	09/22/24 10:23	1
o-Terphenvl	184	S1+	70 - 130				09/21/24 17:33	09/22/24 10:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	2440		50.0		mg/Kg			09/20/24 17:47	10

Client Sample ID: BG-2 (0-1') Lab Sample ID: 880-48707-3 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

|--|

Released to Imaging: 3/12/2025 4:38:15 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 17:13	
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 17:13	•
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 17:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:42	09/22/24 17:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 17:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:42	09/22/24 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				09/19/24 13:42	09/22/24 17:13	
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX			70 - 130				09/19/24 13:42	09/22/24 17:13	
Method: TAL SOP Total BTEX - Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	09/19/24 13:42 Prepared	Analyzed	
Method: TAL SOP Total BTEX - Analyte Total BTEX	- Total BTEX Calc Result <0.00403	<b>Qualifier</b> U	RL 0.00403	MDL	Unit mg/Kg	<u>D</u>			
-	- Total BTEX Calc Result <0.00403 sel Range Organ	<b>Qualifier</b> U	RL 0.00403			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies	- Total BTEX Calc Result <0.00403 sel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00403		mg/Kg	=	Prepared	Analyzed 09/22/24 17:13	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH	- Total BTEX Calc Result <0.00403 sel Range Organ Result <50.0	Qualifier U ics (DRO) ( Qualifier U	RL 0.00403 ——————————————————————————————————		mg/Kg	=	Prepared	Analyzed 09/22/24 17:13 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH  Method: SW846 8015B NM - Di	- Total BTEX Calc Result <0.00403 sel Range Organ Result <50.0 esel Range Organ	Qualifier U ics (DRO) ( Qualifier U	RL 0.00403 ——————————————————————————————————	MDL	mg/Kg	=	Prepared	Analyzed 09/22/24 17:13 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte	- Total BTEX Calc Result <0.00403 sel Range Organ Result <50.0 esel Range Orga Result Result Result	Qualifier U ics (DRO) ( Qualifier U nics (DRO)	RL 0.00403  GC)  RL 50.0	MDL	mg/Kg  Unit mg/Kg		Prepared Prepared	Analyzed 09/22/24 17:13  Analyzed 09/22/24 10:42	Dil Fac

Job ID: 880-48707-1

Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-2 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-3

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/21/24 17:33	09/22/24 10:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	165	S1+	70 - 130			09/21/24 17:33	09/22/24 10:42	1
o-Terphenyl	170	S1+	70 - 130			09/21/24 17:33	09/22/24 10:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Dil Fac Analyte Unit D Prepared Analyzed 100 09/20/24 17:53 2790 20 Chloride mg/Kg

Client Sample ID: BG-2 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-4

**Matrix: Solid** 

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 09/19/24 13:42 09/22/24 17:34 mg/Kg Toluene <0.00199 U 0.00199 09/19/24 13:42 09/22/24 17:34 mg/Kg Ethylbenzene <0.00199 0.00199 09/19/24 13:42 09/22/24 17:34 mg/Kg m-Xylene & p-Xylene 09/19/24 13:42 09/22/24 17:34 <0.00398 U 0.00398 mg/Kg o-Xylene <0.00199 U 0.00199 mg/Kg 09/19/24 13:42 09/22/24 17:34 <0.00398 U Xylenes, Total 0.00398 mg/Kg 09/19/24 13:42 09/22/24 17:34 %Recovery Limits Dil Fac Surrogate Qualifier Prepared Analyzed 70 - 130 09/19/24 13:42 4-Bromofluorobenzene (Surr) 127 09/22/24 17:34 1,4-Difluorobenzene (Surr) 108 70 - 130 09/19/24 13:42 09/22/24 17:34

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Total BTEX <0.00398 U 0.00398 mg/Kg 09/22/24 17:34

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Dil Fac RL Unit D Prepared Analyzed Total TPH <49.8 Ū 49.8 09/22/24 11:01 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac <49.8 U \*- \*1 Gasoline Range Organics 49.8 09/21/24 17:33 09/22/24 11:01 mg/Kg (GRO)-C6-C10 09/22/24 11:01 Diesel Range Organics (Over <49.8 U \*- \*1 49.8 mg/Kg 09/21/24 17:33 Oil Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg 09/21/24 17:33 09/22/24 11:01 %Recovery Surrogate Qualifier Limits Prepared Analyzed Dil Fac S1+ 1-Chlorooctane 170 70 - 130 09/21/24 17:33 09/22/24 11:01 173 S1+ 09/21/24 17:33 o-Terphenyl 70 - 130 09/22/24 11:01

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Dil Fac RL Unit Prepared Analyzed Chloride 2600 100 09/20/24 17:58 20 mg/Kg

Client: Carmona Resources

Job ID: 880-48707-1 SDG: Eddy County. New Mexico

Project/Site: Spill #2

Client Sample ID: BG-3 (0-1')

Lab Sample ID

Client Sample ID: BG-3 (0-1')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-5

Matrix: Solid

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 17:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 17:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 17:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 17:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 17:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				09/19/24 13:42	09/22/24 17:54	1
1,4-Difluorobenzene (Surr)	104		70 - 130				09/19/24 13:42	09/22/24 17:54	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 17:54	

Welliou. Swo46 outs NW - Diesel K	ange Organi	י) (טאט) פטו	<b>3</b> C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/22/24 11:21	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	49.9		mg/Kg		09/21/24 17:33	09/22/24 11:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9		mg/Kg		09/21/24 17:33	09/22/24 11:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:33	09/22/24 11:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	172	S1+	70 - 130				09/21/24 17:33	09/22/24 11:21	1
o-Terphenyl	177	S1+	70 - 130				09/21/24 17:33	09/22/24 11:21	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	5380	99.6	ma/Ka			09/20/24 18:04	20	

Client Sample ID: BG-3 (2')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-6

Matrix: Solid

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 18:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 18:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 18:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:42	09/22/24 18:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 18:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:42	09/22/24 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				09/19/24 13:42	09/22/24 18:15	1
1,4-Difluorobenzene (Surr)	111		70 - 130				09/19/24 13:42	09/22/24 18:15	1

**Eurofins Midland** 

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Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-3 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-6

09/22/24 11:40

09/22/24 18:35

09/21/24 17:33

09/19/24 13:42

**Matrix: Solid** 

Method: IAL SOP Total BTEX - Tota	I BIEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/22/24 18:15	1
Г.,									

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) MDL Unit Result Qualifier Dil Fac RL D Prepared Analyzed Total TPH <50.0 U 50.0 09/22/24 11:40 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Dil Fac Analyzed <50.0 U \*- \*1 50.0 09/21/24 17:33 09/22/24 11:40 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U \*- \*1 50.0 09/21/24 17:33 mg/Kg 09/22/24 11:40 C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 09/21/24 17:33 09/22/24 11:40 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 1-Chlorooctane 149 S1+ 09/21/24 17:33 09/22/24 11:40

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 4180 F1 99.4 mg/Kg 09/20/24 18:09

70 - 130

160 S1+

110

Client Sample ID: BG-4 (0-1')

Date Dat

1,4-Difluorobenzene (Surr)

o-Terphenyl

lient Sample ID: BG-4 (0-1')	Lab Sample ID: 880-48707-7
ate Collected: 09/13/24 00:00	Matrix: Solid
ate Received: 09/19/24 11:40	

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 18:35	1
Toluene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 18:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 18:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 18:35	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 18:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				09/19/24 13:42	09/22/24 18:35	1

Method: TAL SOP Total BTEX - To	tal BTEX Calcu	ulation							
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 18:35	1

70 - 130

Method: SW846 8015 NM - Diesel F	Range Organi	ics (DRO) (G	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/22/24 12:00	1

Method: SW846 8015B NM - Diese	l Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *- *1	49.7		mg/Kg		09/21/24 17:33	09/22/24 12:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	49.7		mg/Kg		09/21/24 17:33	09/22/24 12:00	1

SDG: Eddy County. New Mexico

Project/Site: Spill #2

Lab Sample ID: 880-48707-7

Client Sample ID: BG-4 (0-1') Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:33	09/22/24 12:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				09/21/24 17:33	09/22/24 12:00	1
o-Terphenyl	146	S1+	70 - 130				09/21/24 17:33	09/22/24 12:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared Chloride 5300 99.2 09/20/24 18:25 20 mg/Kg

Client Sample ID: BG-4 (2') Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-8

**Matrix: Solid** 

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:42	09/22/24 18:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:42	09/22/24 18:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:42	09/22/24 18:56	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/19/24 13:42	09/22/24 18:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:42	09/22/24 18:56	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/19/24 13:42	09/22/24 18:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				09/19/24 13:42	09/22/24 18:56	1
1,4-Difluorobenzene (Surr)	116		70 - 130				09/19/24 13:42	09/22/24 18:56	1

Method: IAL SOP Total BTEX - Total	al BIEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/22/24 18:56	1
		: (DDO) (OO							
Method: SW846 8015 NM - Diesel R	ange Organ	ics (DRO) (GC	)						

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/22/24 12:19	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 12:19	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 12:19	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/21/24 17:33	09/22/24 12:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	183	S1+	70 - 130				09/21/24 17:33	09/22/24 12:19	-
o-Terphenyl	193	S1+	70 - 130				09/21/24 17:33	09/22/24 12:19	1

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Analyzed

09/20/24 18:30

RL

101

MDL Unit

mg/Kg

Prepared

Dil Fac

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-5 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-9

Matrix: Solid

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 19:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:42	09/22/24 19:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 19:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:42	09/22/24 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				09/19/24 13:42	09/22/24 19:16	1
1,4-Difluorobenzene (Surr)	106		70 - 130				09/19/24 13:42	09/22/24 19:16	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
_									
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) ( Qualifier	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/22/24 12:40	
Analyte Total TPH	Result   <50.1	Qualifier U	<b>RL</b> 50.1	MDL		<u>D</u>	Prepared		
Analyte Total TPH  Method: SW846 8015B NM - Die	Result <50.1	Qualifier U	<b>RL</b> 50.1			<u>D</u>	Prepared Prepared		1
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <50.1	Qualifier Unics (DRO) Qualifier	RL 50.1		mg/Kg		· · ·	09/22/24 12:40	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.1  Sel Range Orga Result <50.1	Qualifier Unics (DRO) Qualifier	RL 50.1		mg/Kg		Prepared	09/22/24 12:40  Analyzed	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.1  Sel Range Orga Result <50.1	Qualifier U  nics (DRO) Qualifier U *- *1 U *- *1	RL		mg/Kg  Unit mg/Kg		Prepared 09/21/24 17:33	09/22/24 12:40  Analyzed  09/22/24 12:40	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U  nics (DRO) Qualifier U *- *1 U *- *1	RL 50.1 (GC) RL 50.1 50.1		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:33	09/22/24 12:40  Analyzed  09/22/24 12:40  09/22/24 12:40	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U  nics (DRO) Qualifier U *- *1 U *- *1	RL 50.1  (GC)  RL 50.1  50.1  50.1		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:33 09/21/24 17:33	09/22/24 12:40  Analyzed 09/22/24 12:40 09/22/24 12:40 09/22/24 12:40	Dil Face 1 1 1 Dil Face
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	Result   <50.1	Qualifier U  nics (DRO) Qualifier U *- *1 U *- *1 U Qualifier	RL     50.1		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:33 09/21/24 17:33 09/21/24 17:33 Prepared	Analyzed 09/22/24 12:40 09/22/24 12:40 09/22/24 12:40 09/22/24 12:40 Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result   <50.1	Qualifier U  nics (DRO) Qualifier U *- *1 U *- *1 U  Qualifier S1+ S1+	RL 50.1  (GC)  RL 50.1  50.1  50.1  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:33 09/21/24 17:33 09/21/24 17:33  Prepared 09/21/24 17:33	Analyzed 09/22/24 12:40  Analyzed 09/22/24 12:40  09/22/24 12:40  Analyzed  09/22/24 12:40	1 Dil Fac 1 1 1 1 Dil Fac 1 1
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result   <50.1	Qualifier U  nics (DRO) Qualifier U *- *1 U *- *1 U  Qualifier S1+ S1+	RL 50.1  (GC)  RL 50.1  50.1  50.1  Limits  70 - 130  70 - 130	MDL	mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:33 09/21/24 17:33 09/21/24 17:33  Prepared 09/21/24 17:33	Analyzed 09/22/24 12:40  Analyzed 09/22/24 12:40  09/22/24 12:40  Analyzed  09/22/24 12:40	Dil Fac  1  Dil Fac  1  1  Dil Fac  1  Dil Fac  1  Dil Fac

Client Sample ID: BG-6 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-10

**Matrix: Solid** 

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

o organio comp	ounus (CC)	•						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00201	U	0.00201		mg/Kg		09/19/24 13:42	09/22/24 19:37	1
<0.00201	U	0.00201		mg/Kg		09/19/24 13:42	09/22/24 19:37	1
<0.00201	U	0.00201		mg/Kg		09/19/24 13:42	09/22/24 19:37	1
<0.00402	U	0.00402		mg/Kg		09/19/24 13:42	09/22/24 19:37	1
<0.00201	U	0.00201		mg/Kg		09/19/24 13:42	09/22/24 19:37	1
<0.00402	U	0.00402		mg/Kg		09/19/24 13:42	09/22/24 19:37	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
134	S1+	70 - 130				09/19/24 13:42	09/22/24 19:37	1
105		70 - 130				09/19/24 13:42	09/22/24 19:37	1
	Result   <0.00201   <0.00201   <0.00201   <0.00201   <0.00402   <0.00201   <0.00402   <0.00402     < /pre>   ##Recovery   134	Result   Qualifier	<0.00201	Result         Qualifier         RL         MDL           <0.00201	Result         Qualifier         RL         MDL         Unit           <0.00201	Result         Qualifier         RL         MDL         Unit         D           <0.00201	Result         Qualifier         RL         MDL         Unit         D         Prepared           <0.00201	Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed           <0.00201

**Eurofins Midland** 

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-6 (0-1') Lab Sample ID: 880-48707-10 Date Collected: 09/13/24 00:00 Matrix: Solid Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/22/24 19:37	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/22/24 12:58	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 12:58	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 12:58	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:33	09/22/24 12:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	158	S1+	70 - 130				09/21/24 17:33	09/22/24 12:58	1
o-Terphenyl	167	S1+	70 - 130				09/21/24 17:33	09/22/24 12:58	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	• .	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2610		50.0		mg/Kg			09/20/24 18:52	10

Client Sample ID: BG-6 (2') Lab Sample ID: 880-48707-11

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40									
Method: SW846 8021B - Volat	tile Organic Comp	ounds (GC	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:27	1
Toluene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:27	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 21:27	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				09/19/24 13:42	09/22/24 21:27	1
1,4-Difluorobenzene (Surr)	106		70 - 130				09/19/24 13:42	09/22/24 21:27	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 21:27	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

<del></del>	100					20/20/24 40 00	
Total TPH	<49.9 U	49.9	mg/Kg			09/22/24 13:36	1
_							
Method: SW846 8015B NM - Diesel	Range Organics (E	ORO) (GC)					
Analyte	Result Qualifie	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9 U *- *1	49.9	mg/Kg		09/21/24 17:33	09/22/24 13:36	1

(GRO)-C6-C10 Diesel Range Organics (Over <49.9 U \*- \*1 49.9 mg/Kg 09/21/24 17:33 09/22/24 13:36 C10-C28)

**Eurofins Midland** 

**Matrix: Solid** 

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-6 (2')

Lab Sample ID: 880-48707-11 Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:33	09/22/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				09/21/24 17:33	09/22/24 13:36	1
o-Terphenyl	153	S1+	70 - 130				09/21/24 17:33	09/22/24 13:36	1

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	923		25.1		mg/Kg			09/20/24 18:57	5

Client Sample ID: BG-7 (0-1') Lab Sample ID: 880-48707-12

Date Collected: 09/13/24 00:00 **Matrix: Solid** Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:47	
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:47	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:47	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 21:47	
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:47	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 21:47	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				09/19/24 13:42	09/22/24 21:47	
1,4-Difluorobenzene (Surr)	117		70 - 130				09/19/24 13:42	09/22/24 21:47	
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 21:47	
			GC)			_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<u> </u>	Result  <49.8			MDL	Unit mg/Kg	<u>D</u>	Prepared	<b>Analyzed</b> 09/22/24 13:55	Dil Fac
Total TPH	<49.8	U Inics (DRO)	RL 49.8		mg/Kg	<u>D</u>	Prepared		1
Total TPH Method: SW846 8015B NM - Dies Analyte	<49.8 sel Range Orga Result	nics (DRO) Qualifier	(GC)	MDL	mg/Kg	<u>D</u>	Prepared	09/22/24 13:55  Analyzed	
Total TPH  Method: SW846 8015B NM - Dies  Analyte  Gasoline Range Organics	<49.8 sel Range Orga Result	U Inics (DRO)	RL 49.8 (GC)		mg/Kg			09/22/24 13:55	
Total TPH  Method: SW846 8015B NM - Dies  Analyte  Gasoline Range Organics (GRO)-C6-C10  Diesel Range Organics (Over	<49.8 sel Range Orga Result <49.8	nics (DRO) Qualifier	(GC)		mg/Kg		Prepared	09/22/24 13:55  Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.8 sel Range Orga Result <49.8	Unics (DRO) Qualifier U*-*1	RL 49.8 (GC) RL 49.8		mg/Kg  Unit mg/Kg		Prepared 09/21/24 17:33	09/22/24 13:55  Analyzed  09/22/24 13:55	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<49.8 sel Range Orga Result <49.8 <49.8	Unics (DRO) Qualifier U*-*1 U*-*1	RL 49.8  (GC)  RL 49.8  49.8		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:33	09/22/24 13:55  Analyzed  09/22/24 13:55  09/22/24 13:55	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	<49.8 sel Range Orga Result <49.8 <49.8 <49.8	Unics (DRO) Qualifier U*-*1 U*-*1	RL 49.8  (GC)  RL 49.8  49.8  49.8		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:33 09/21/24 17:33	09/22/24 13:55  Analyzed 09/22/24 13:55 09/22/24 13:55 09/22/24 13:55	Dil Fa

**Eurofins Midland** 

Analyzed

09/20/24 19:03

RL

251

MDL Unit

mg/Kg

Prepared

Result Qualifier

15700

Dil Fac

Analyte

Chloride

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: BG-7 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48707-13

09/21/24 17:33 09/22/24 14:15

Matrix: Solid

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:42	09/22/24 22:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 13:42	09/22/24 22:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				09/19/24 13:42	09/22/24 22:07	1
1,4-Difluorobenzene (Surr)	111		70 - 130				09/19/24 13:42	09/22/24 22:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 <0.00400</td>
 U
 0.00400
 mg/Kg
 T
 09/22/24 22:07
 1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<49.8	U	49.8		mg/Kg			09/22/24 14:15	1

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U *- *1	49.8		mg/Kg		09/21/24 17:33	09/22/24 14:15	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U *- *1	49.8		mg/Kg		09/21/24 17:33	09/22/24 14:15	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:33	09/22/24 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	176	S1+	70 - 130				09/21/24 17:33	09/22/24 14:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	1670		100		mg/Kg			09/20/24 19:08	20

70 - 130

183 S1+

Client Sample ID: BG-8 (0-1')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-14

Matrix: Solid

Date Received: 09/19/24 11:40

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				09/19/24 13:42	09/22/24 22:28	1
1,4-Difluorobenzene (Surr)	115		70 - 130				09/19/24 13:42	09/22/24 22:28	1

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-8 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-14

Matrix: Solid

09/20/24 19:14

**Matrix: Solid** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/22/24 22:28	1
- Method: SW846 8015 NM - Diesel R	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/22/24 14:33	1
Method: SW846 8015B NM - Diesel Analyte	•	nics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.3	U *- *1	50.3		mg/Kg		09/21/24 17:33	09/22/24 14:33	1
(GRO)-C6-C10					0 0				
Diesel Range Organics (Over	<50.3	U *- *1	50.3		mg/Kg		09/21/24 17:33	09/22/24 14:33	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/21/24 17:33	09/22/24 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				09/21/24 17:33	09/22/24 14:33	1
o-Terphenyl	150	S1+	70 - 130				09/21/24 17:33	09/22/24 14:33	1
· · · · · · · · · · · · · · · · · · ·									
Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Solubl	e						

24.8 Client Sample ID: BG-8 (2') Lab Sample ID: 880-48707-15

mg/Kg

990

Date Collected: 09/13/24 00:00

Chloride

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:48	
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:48	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:48	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:42	09/22/24 22:48	
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:48	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:42	09/22/24 22:48	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	128		70 - 130				09/19/24 13:42	09/22/24 22:48	
1,4-Difluorobenzene (Surr)	111		70 <sub>-</sub> 130				09/19/24 13:42	09/22/24 22:48	
Method: TAL SOP Total BTEX	- Total BTEX Cald			MDI	Unit	n			
• * * * * * * * * * * * * * * * * * * *		culation	70 - 700				03/13/24 10.42	00,22,27,22.10	
• * * * * * * * * * * * * * * * * * * *	- Total BTEX Cald	Qualifier	RL 0.00399	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/22/24 22:48	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00399	<b>Qualifier</b> U	RL 0.00399	MDL		<u>D</u>		Analyzed	Dil Fa
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <	<b>Qualifier</b> U	RL 0.00399			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Calc Result <	Qualifier U	RL 0.00399		mg/Kg		Prepared	Analyzed 09/22/24 22:48	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00399 sel Range Organ Result 69.2	Qualifier U ics (DRO) ((Qualifier	RL 0.00399  GC) RL 50.4		mg/Kg		Prepared	Analyzed 09/22/24 22:48 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00399 sel Range Organ Result 69.2 iesel Range Orga	Qualifier U ics (DRO) ((Qualifier	RL 0.00399  GC) RL 50.4	MDL	mg/Kg		Prepared	Analyzed 09/22/24 22:48 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00399 sel Range Organ Result 69.2 iesel Range Orga Result	Qualifier U ics (DRO) ( Qualifier unics (DRO)	RL 0.00399  GC)  RL 50.4	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/22/24 22:48  Analyzed 09/22/24 14:53	Dil Fa
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - D Analyte Gasoline Range Organics	- Total BTEX Calc Result <0.00399 sel Range Organ Result 69.2 iesel Range Orga Result	Qualifier U ics (DRO) (Qualifier unics (DRO) Qualifier U *- *1	RL 0.00399  GC)  RL 50.4  (GC)  RL	MDL	mg/Kg  Unit mg/Kg  Unit	<u>D</u>	Prepared  Prepared	Analyzed 09/22/24 22:48  Analyzed 09/22/24 14:53  Analyzed	Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

2220 F1

Analyte

Chloride

Job ID: 880-48707-1

Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-8 (2') Lab Sample ID: 880-48707-15 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/21/24 17:33	09/22/24 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	174	S1+	70 - 130				09/21/24 17:33	09/22/24 14:53	1
o-Terphenyl	177	S1+	70 <sub>-</sub> 130				09/21/24 17:33	09/22/24 14:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 1660 49.8 09/20/24 19:19 10 Chloride mg/Kg

Client Sample ID: BG-9 (0-1') Lab Sample ID: 880-48707-16

Date Collected: 09/13/24 00:00 **Matrix: Solid** Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 23:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 23:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 23:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:42	09/22/24 23:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 23:09	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:42	09/22/24 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				09/19/24 13:42	09/22/24 23:09	1
1,4-Difluorobenzene (Surr)	116		70 - 130				09/19/24 13:42	09/22/24 23:09	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/22/24 23:09	1
Method: SW846 8015 NM - Diese	el Range Organ	ice (DBO) (							
modilod. Offorto tem Bicoc	or italigo Organi	ics (DRO) (i	GC)						
Analyte		Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/22/24 15:11	Dil Fac
Analyte Total TPH	Result   <49.7	Qualifier U	<b>RL</b> 49.7	MDL		<u>D</u>	Prepared		
Analyte	Result <49.7	Qualifier U	<b>RL</b> 49.7			<u>D</u>	Prepared Prepared		
Analyte Total TPH  Method: SW846 8015B NM - Dies	Result <49.7 sel Range Orga	Qualifier U	RL 49.7 (GC)		mg/Kg			09/22/24 15:11	1
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte	Result <49.7  sel Range Orga Result <49.7	Qualifier U  nics (DRO) Qualifier U *- *1	(GC) RL 49.7		mg/Kg		Prepared	09/22/24 15:11  Analyzed  09/22/24 15:11	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.7  sel Range Orga Result <49.7	Qualifier U nics (DRO) Qualifier	(GC)		mg/Kg		Prepared	09/22/24 15:11  Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result   <49.7	Qualifier U  nics (DRO) Qualifier U *- *1 U *- *1	RL 49.7  (GC) RL 49.7  49.7		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:33 09/21/24 17:33	09/22/24 15:11  Analyzed  09/22/24 15:11  09/22/24 15:11	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.7  sel Range Orga Result <49.7	Qualifier U  nics (DRO) Qualifier U *- *1 U *- *1	(GC) RL 49.7		mg/Kg  Unit mg/Kg		Prepared 09/21/24 17:33	09/22/24 15:11  Analyzed  09/22/24 15:11	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result   <49.7	Qualifier U  nics (DRO) Qualifier U *- *1 U *- *1 U  Qualifier	RL 49.7  (GC) RL 49.7  49.7		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:33 09/21/24 17:33	09/22/24 15:11  Analyzed  09/22/24 15:11  09/22/24 15:11	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result   <49.7	Qualifier U  nics (DRO) Qualifier U *- *1 U *- *1	RL 49.7  (GC)  RL 49.7  49.7  49.7		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:33 09/21/24 17:33	09/22/24 15:11  Analyzed 09/22/24 15:11 09/22/24 15:11 09/22/24 15:11	1 Dil Fac

**Eurofins Midland** 

Analyzed

09/20/24 22:03

Dil Fac

MDL Unit

mg/Kg

Prepared

RL

50.4

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: BG-9 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48707-17

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:29	1
Toluene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:29	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:29	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 23:29	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 23:29	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				09/19/24 13:42	09/22/24 23:29	
1,4-Difluorobenzene (Surr)	108		70 - 130				09/19/24 13:42	09/22/24 23:29	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 23:29	
Method: SW846 8015 NM - Diese			•			_	_		
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.2	U	50.2		mg/Kg			09/22/24 15:32	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 15:32	•
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 15:32	1
C10-C28) Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/21/24 17:33	09/22/24 15:32	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane			70 - 130				09/21/24 17:33	09/22/24 15:32	
o-Terphenyl		S1+	70 - 130 70 - 130				09/21/24 17:33	09/22/24 15:32	
o-reiphenyr	132	37.	70 - 750				09/21/24 11:55	09/22/24 15:52	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: BG-10 (0-1')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-18

Matrix: Solid

1370

25.1

mg/Kg

Date Received: 09/19/24 11:40

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				09/19/24 13:42	09/22/24 23:50	1
1.4-Difluorobenzene (Surr)	113		70 - 130				09/19/24 13:42	09/22/24 23:50	1

**Eurofins Midland** 

09/20/24 22:29

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

Client Sample ID: BG-10 (0-1')

Lab Sample ID: 880-48707-18

**Matrix: Solid** 

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 23:50	1
ı	<del></del>									

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier RLMDL Unit Prepared Analyzed Dil Fac D <50.4 U Total TPH 50.4 mg/Kg 09/22/24 15:51

_	-00.1	Ü	00.1		mg/rtg			00/22/21 10:01	
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.4	U *- *1	50.4		mg/Kg		09/21/24 17:33	09/22/24 15:51	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.4	U *- *1	50.4		mg/Kg		09/21/24 17:33	09/22/24 15:51	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/21/24 17:33	09/22/24 15:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130				09/21/24 17:33	09/22/24 15:51	1
o-Terphenyl	154	S1+	70 - 130				09/21/24 17:33	09/22/24 15:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 101 Chloride 6460 mg/Kg 09/23/24 12:59

Client Sample ID: BG-10 (2')

Lab Sample ID: 880-48707-19

**Matrix: Solid** 

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:10	
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:10	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 13:42	09/23/24 00:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:10	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 13:42	09/23/24 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				09/19/24 13:42	09/23/24 00:10	1
			70 - 130				09/19/24 13:42	09/23/24 00:10	
Method: TAL SOP Total BTEX - Analyte	· Total BTEX Cald	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	09/19/24 13:42 Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX	- Total BTEX Calc Result <	<b>Qualifier</b> U	RL 0.00404	MDL	Unit mg/Kg	<u>D</u>			·
Method: TAL SOP Total BTEX - Analyte	Total BTEX Calc Result <0.00404 sel Range Organ	<b>Qualifier</b> U	RL 0.00404	MDL	mg/Kg	<u>D</u>		Analyzed	·
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies	Total BTEX Calc Result <0.00404 sel Range Organ	Qualifier U ics (DRO) (Qualifier	RL		mg/Kg	<u> </u>	Prepared	Analyzed 09/23/24 00:10	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte	rotal BTEX Calc Result <0.00404 sel Range Organ Result <50.5	Qualifier U ics (DRO) ( Qualifier U	RL 0.00404 ———————————————————————————————		mg/Kg	<u> </u>	Prepared	Analyzed 09/23/24 00:10 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH  Method: SW846 8015B NM - Dies	rotal BTEX Calc Result <0.00404  sel Range Organ Result <50.5  esel Range Orga	Qualifier U ics (DRO) ( Qualifier U	RL 0.00404 ———————————————————————————————		mg/Kg  Unit mg/Kg	<u> </u>	Prepared	Analyzed 09/23/24 00:10 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH	rotal BTEX Calc Result <0.00404  sel Range Organ Result <50.5  esel Range Orga Result Result Result Result Result Result	Qualifier U ics (DRO) ( Qualifier U nics (DRO)	RL 0.00404  GC)  RL 50.5	MDL	mg/Kg  Unit mg/Kg	<u></u>	Prepared Prepared	Analyzed 09/23/24 00:10  Analyzed 09/22/24 16:11	Dil Fac

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Released to Imaging: 3/12/2025 4:38:15 PM

Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-10 (2') Lab Sample ID: 880-48707-19 Date Collected: 09/13/24 00:00 Matrix: Solid

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:33	09/22/24 16:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				09/21/24 17:33	09/22/24 16:11	1
o-Terphenyl	151	S1+	70 - 130				09/21/24 17:33	09/22/24 16:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 5340 99.6 09/20/24 22:47 20 Chloride mg/Kg

Client Sample ID: BG-11 (0-1') Lab Sample ID: 880-48707-20

Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Method: SW846 8021B - Volatile Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:31	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:42	09/23/24 00:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:31	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:42	09/23/24 00:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130				09/19/24 13:42	09/23/24 00:31	1
1,4-Difluorobenzene (Surr)	124		70 - 130				09/19/24 13:42	09/23/24 00:31	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		Prepared	09/23/24 00:31	Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)	MDI		— –	<u> </u>		1
Method: SW846 8015 NM - Diese Analyte	el Range Organ	ics (DRO) (		MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared	09/23/24 00:31  Analyzed  09/22/24 16:30	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Result <50.0 sel Range Organ	ics (DRO) ( Qualifier	GC) RL 50.0		Unit		<u> </u>	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	el Range Organ Result <50.0 sel Range Orga Result	Qualifier U	GC)  RL  50.0		Unit mg/Kg	=	Prepared	Analyzed 09/22/24 16:30	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <a href="#">Result</a> <a href="#">550.0</a> <a href="#">sel Range Orga</a> <a href="#">Result</a> <a href="#">&lt;50.0</a>	Qualifier U  Inics (DRO) Qualifier U  Qualifier U *- *1	GC)  RL 50.0  (GC)  RL 50.0		Unit mg/Kg	=	Prepared Prepared	Analyzed 09/22/24 16:30 Analyzed	Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte  Total TPH  Method: SW846 8015B NM - Diese Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <a href="#">Result</a> <a href="#">550.0</a> <a href="#">sel Range Orga</a> <a href="#">Result</a> <a href="#">&lt;50.0</a>	Qualifier Unics (DRO) Qualifier	GC)  RL  50.0  (GC)  RL		Unit mg/Kg	=	Prepared Prepared	Analyzed 09/22/24 16:30 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <a href="#">Result</a> <a href="#">550.0</a> <a href="#">sel Range Orga</a> <a href="#">Result</a> <a href="#">&lt;50.0</a>	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U*-*1 U*-*1	GC)  RL 50.0  (GC)  RL 50.0		Unit mg/Kg	=	Prepared  Prepared  09/21/24 17:33	Analyzed 09/22/24 16:30  Analyzed 09/22/24 16:30	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U*-*1 U*-*1	GC)  RL  50.0  (GC)  RL  50.0  50.0		Unit mg/Kg  Unit mg/Kg mg/Kg	=	Prepared  Prepared  09/21/24 17:33	Analyzed 09/22/24 16:30  Analyzed 09/22/24 16:30 09/22/24 16:30	Dil Face

70 - 130 1-Chlorooctane 138 S1+ 09/21/24 17:33 09/22/24 16:30 140 S1+ 70 - 130 o-Terphenyl 09/21/24 17:33 09/22/24 16:30

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	14800	248	mg/Kg			09/20/24 22:55	50	

Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-11 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-21

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/20/24 23:27	
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/20/24 23:27	1
Ethylbenzene	<0.00202	U F1	0.00202		mg/Kg		09/19/24 13:45	09/20/24 23:27	1
m-Xylene & p-Xylene	<0.00404	U F1	0.00404		mg/Kg		09/19/24 13:45	09/20/24 23:27	
o-Xylene	<0.00202	U F1	0.00202		mg/Kg		09/19/24 13:45	09/20/24 23:27	
Xylenes, Total	<0.00404	U F1	0.00404		mg/Kg		09/19/24 13:45	09/20/24 23:27	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	90		70 - 130				09/19/24 13:45	09/20/24 23:27	
1,4-Difluorobenzene (Surr)	88		70 - 130				09/19/24 13:45	09/20/24 23:27	
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/20/24 23:27	
Analyte Total TPH		Qualifier	RL	MDL	Unit ma/Ka	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.8	U	49.8		mg/Kg			09/22/24 18:07	•
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		09/21/24 17:36	09/22/24 18:07	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U *+	49.8		mg/Kg		09/21/24 17:36	09/22/24 18:07	,
C10-C28)	<49.8		49.8		no a /1/ a		09/21/24 17:36	09/22/24 18:07	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:36	09/22/24 18:07	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	127		70 - 130				09/21/24 17:36	09/22/24 18:07	
o-Terphenyl	133	S1+	70 - 130				09/21/24 17:36	09/22/24 18:07	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
			251		mg/Kg				

Client Sample ID: BG-12 (0-1') Lab Sample ID: 880-48707-22 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:45	09/20/24 23:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:45	09/20/24 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				09/19/24 13:45	09/20/24 23:48	1
1,4-Difluorobenzene (Surr)	87		70 - 130				09/19/24 13:45	09/20/24 23:48	1

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: BG-12 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48707-22

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/20/24 23:48	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/22/24 19:04	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 19:04	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.5	U *+	50.5		mg/Kg		09/21/24 17:36	09/22/24 19:04	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				09/21/24 17:36	09/22/24 19:04	1
o-Terphenyl	138	S1+	70 - 130				09/21/24 17:36	09/22/24 19:04	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	• .	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5220		99.6		mg/Kg			09/20/24 23:30	20

Client Sample ID: BG-12 (2')

Lab Sample ID: 880-48707-23

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/19/24 13:45	09/21/24 00:08	1
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX	88 - Total BTEX Cald	culation	70 - 130				09/19/24 13:45	09/21/24 00:08	1
·	- Total BTEX Cald	culation Qualifier	70 - 130	MDL	Unit	D	09/19/24 13:45  Prepared	09/21/24 00:08  Analyzed	
Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00403	<b>Qualifier</b> U	RL 0.00403	MDL		<u>D</u>		Analyzed	•
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Dies	- Total BTEX Calc Result <0.00403 sel Range Organ	<b>Qualifier</b> U	RL 0.00403			<u>D</u>		Analyzed	•
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00403 sel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00403		mg/Kg		Prepared	Analyzed 09/21/24 00:08	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die: Analyte	- Total BTEX Calc Result <	Qualifier U ics (DRO) ( Qualifier U	RL 0.00403  GC)  RL 49.7		mg/Kg		Prepared	Analyzed 09/21/24 00:08 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH  Method: SW846 8015B NM - Diese	- Total BTEX Calc Result <0.00403 sel Range Organ Result <49.7	Qualifier U ics (DRO) ( Qualifier U	RL 0.00403  GC)  RL 49.7		mg/Kg  Unit mg/Kg		Prepared	Analyzed 09/21/24 00:08 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die: Analyte Total TPH	- Total BTEX Calc Result <0.00403  sel Range Organ Result <49.7  esel Range Orga Result	Qualifier U ics (DRO) ( Qualifier U nics (DRO)	RL 0.00403  GC)  RL 49.7	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 00:08  Analyzed 09/22/24 19:23	Dil Fac  Dil Fac

**Eurofins Midland** 

**Matrix: Solid** 

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

## **Client Sample Results**

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-12 (2')

Lab Sample ID: 880-48707-23

Matrix: Solid

ı	
ı	Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)
ı	Method. 54040 00 13D 14M - Dieser Range Organics (DRO) (GO) (Continued)

Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	n	ng/Kg		09/21/24 17:36	09/22/24 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				09/21/24 17:36	09/22/24 19:23	1
o-Terphenyl	170	S1+	70 - 130				09/21/24 17:36	09/22/24 19:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	4640		99.4		mg/Kg			09/20/24 23:39	20

Client Sample ID: BG-13 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-24

**Matrix: Solid** 

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC)	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:29	1
Toluene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 00:29	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				09/19/24 13:45	09/21/24 00:29	1
1.4-Difluorobenzene (Surr)	78		70 - 130				09/19/24 13:45	09/21/24 00:29	1

"	•		•	•	
4-Bromofluorobenzene (Surr)	87	70 - 130	09/19/24 13:45	09/21/24 00:29	1
1,4-Difluorobenzene (Surr)	78	70 - 130	09/19/24 13:45	09/21/24 00:29	1
Method: TAL SOP Total BTEX - Tot	tal BTEX Calculation				

Method. TAL SOP Total BTEX - Tot	al BIEN Call	Julation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 00:29	1

Method: SW846 8015 NM - Diesel Range	Organ	ics (DRO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U —	49.9		mg/Kg			09/22/24 19:44	1

Total TPH	<49.9 U	49.9	mg/Kg	09/22/24 19:44	1
Method: SW846 8015B NM - Diese	I Range Organics (DRO) (	GC)			

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/22/24 19:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U *+	49.9		mg/Kg		09/21/24 17:36	09/22/24 19:44	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/22/24 19:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	DII Fac
	1-Chlorooctane	165	S1+	70 - 130	09/21/24 17:36	09/22/24 19:44	1
	o-Terphenyl	175	S1+	70 - 130	09/21/24 17:36	09/22/24 19:44	1
٠,	_						

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9590		249		mg/Kg			09/20/24 23:48	50

**Eurofins Midland** 

9/25/2024

Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-13 (2')

Lab Sample ID: 880-48707-25 Date Collected: 09/13/24 00:00 Matrix: Solid Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
Toluene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				09/19/24 13:45	09/21/24 00:50	1
1,4-Difluorobenzene (Surr)	88		70 - 130				09/19/24 13:45	09/21/24 00:50	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 00:50	1
		ice (DPO) (	ec)						
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/22/24 20:03	
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.0	Qualifier U	RL 50.0	MDL		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Result <50.0 sel Range Organ	Qualifier U	RL 50.0			<u>D</u>	Prepared Prepared		1
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte  Gasoline Range Organics	el Range Organ Result <50.0 sel Range Organ	Qualifier Unics (DRO) Qualifier	RL 50.0		mg/Kg		<u> </u>	09/22/24 20:03	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.0 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 50.0		mg/Kg		Prepared	09/22/24 20:03  Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.0 sel Range Orga Result <50.0	Qualifier U  nics (DRO) Qualifier U  U *+	RL   50.0		mg/Kg  Unit mg/Kg		Prepared 09/21/24 17:36	09/22/24 20:03  Analyzed  09/22/24 20:03	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result <50.0  sel Range Orga Result <50.0 <50.0	Qualifier U  nics (DRO) Qualifier U  U *+	RL 50.0 (GC) RL 50.0 50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:36 09/21/24 17:36	09/22/24 20:03  Analyzed 09/22/24 20:03  09/22/24 20:03	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	el Range Organ Result <50.0  sel Range Orga Result <50.0 <50.0 <50.0	Qualifier U  nics (DRO) Qualifier U  U *+	RL 50.0  (GC)  RL 50.0  50.0  50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36	09/22/24 20:03  Analyzed 09/22/24 20:03 09/22/24 20:03 09/22/24 20:03	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	el Range Organ	Qualifier U  nics (DRO) Qualifier U  U *+ U  Qualifier	RL		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36 Prepared	09/22/24 20:03  Analyzed 09/22/24 20:03 09/22/24 20:03 09/22/24 20:03 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	el Range Organ	Qualifier U  nics (DRO) Qualifier U  U *+ U  Qualifier S1+ S1+	RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36  Prepared 09/21/24 17:36	09/22/24 20:03  Analyzed 09/22/24 20:03  09/22/24 20:03  09/22/24 20:03  Analyzed  09/22/24 20:03	Dil Face 1 1 1 1 Dil Face
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl  Method: EPA 300.0 - Anions, Ioranalyte	el Range Organ Result <50.0  sel Range Orga Result <50.0  <50.0  <50.0  %Recovery 131 142  n Chromatograp	Qualifier U  nics (DRO) Qualifier U  U *+ U  Qualifier S1+ S1+	RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits  70 - 130  70 - 130	MDL	mg/Kg  Unit mg/Kg  mg/Kg		Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36  Prepared 09/21/24 17:36	09/22/24 20:03  Analyzed 09/22/24 20:03  09/22/24 20:03  09/22/24 20:03  Analyzed  09/22/24 20:03	Dil Fac

Client Sample ID: BG-14 (0-1') Lab Sample ID: 880-48707-26 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 01:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 01:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 01:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:45	09/21/24 01:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 01:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:45	09/21/24 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				09/19/24 13:45	09/21/24 01:10	1
1,4-Difluorobenzene (Surr)	80		70 - 130				09/19/24 13:45	09/21/24 01:10	1

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-14 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-26

Matrix: Solid

<b>Method: TAL SOP Total BTEX - T</b>	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 01:10	1
- Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/22/24 20:23	1
Method: SW846 8015B NM - Dies Analyte		nics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.3	U	50.3		mg/Kg		09/21/24 17:36	09/22/24 20:23	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.3	U *+	50.3		mg/Kg		09/21/24 17:36	09/22/24 20:23	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/21/24 17:36	09/22/24 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	161	S1+	70 - 130				09/21/24 17:36	09/22/24 20:23	1
o-Terphenyl	171	S1+	70 - 130				09/21/24 17:36	09/22/24 20:23	1

49.6 Client Sample ID: BG-14 (2') Lab Sample ID: 880-48707-27

RL

MDL Unit

mg/Kg

Prepared

Analyzed

09/21/24 00:05

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

3230 F1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 01:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 01:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 01:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 01:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 01:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 01:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				09/19/24 13:45	09/21/24 01:31	1
1,4-Difluorobenzene (Surr)	75		70 - 130				09/19/24 13:45	09/21/24 01:31	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	П	0.00398		mg/Kg			09/21/24 01:31	

Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL Un	t	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	ma	'Ka	_		09/22/24 20:42	1

Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/21/24 17:36	09/22/24 20:42	1
Diesel Range Organics (Over C10-C28)	<50.1	U *+	50.1		mg/Kg		09/21/24 17:36	09/22/24 20:42	1

**Eurofins Midland** 

Dil Fac

**Matrix: Solid** 

Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-14 (2')

Lab Sample ID: 880-48707-27 Date Collected: 09/13/24 00:00 Matrix: Solid Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/21/24 17:36	09/22/24 20:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				09/21/24 17:36	09/22/24 20:42	1
o-Terphenyl	158	S1+	70 <sub>-</sub> 130				09/21/24 17:36	09/22/24 20:42	1

Method: EPA 300.0 - Anions, Ion Cl	hromatography - So	oluble					
Analyte	Result Qualifie	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2670	25.3	mg/K	g		09/21/24 00:32	5

Client Sample ID: BG-15 (0-1') Lab Sample ID: 880-48707-28 **Matrix: Solid** 

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:45	09/21/24 01:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:45	09/21/24 01:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:45	09/21/24 01:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/19/24 13:45	09/21/24 01:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:45	09/21/24 01:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/19/24 13:45	09/21/24 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				09/19/24 13:45	09/21/24 01:51	1
1,4-Difluorobenzene (Surr)	74		70 - 130				09/19/24 13:45	09/21/24 01:51	1

Method: IAL SOP Total BTEX - Total	II B I EX Calc	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/21/24 01:51	1
<del></del>									

Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (G	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/22/24 21:01	1
Method: SW846 8015B NM - Diesel		, ,,	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.4	U	50.4		mg/Kg		09/21/24 17:36	09/22/24 21:01	1
(GRO)-C6-C10									

C10-C28) Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg	09/21/24 17:36	09/22/24 21:01	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	167	S1+	70 - 130		09/21/24 17:36	09/22/24 21:01	1
o-Terphenyl	180	S1+	70 - 130		09/21/24 17:36	09/22/24 21:01	1

50.4

mg/Kg

09/21/24 17:36

09/22/24 21:01

<50.4 U\*+

Method: EPA 300.0 - Anions, Ion C	hromatography - Solu	uble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090	5.01	mg/K	g		09/21/24 00:40	1

**Eurofins Midland** 

Diesel Range Organics (Over

Job ID: 880-48707-1 SDG: Eddy County. New Mexico

Client Sample ID: BG-15 (2')

Client: Carmona Resources

Project/Site: Spill #2

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48707-29

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 02:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 02:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 02:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:45	09/21/24 02:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 02:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:45	09/21/24 02:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				09/19/24 13:45	09/21/24 02:12	1
1,4-Difluorobenzene (Surr)	81		70 - 130				09/19/24 13:45	09/21/24 02:12	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
T. L.DTEV	<0.00399								
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 02:12	1
IOTAL BIEX	<0.00399	U	0.00399		mg/Kg			09/21/24 02:12	1
Total BTEX : : Method: SW846 8015 NM - Diese					mg/Kg			09/21/24 02:12	1
- -	el Range Organ			MDL	mg/Kg Unit	D	Prepared	09/21/24 02:12  Analyzed	Dil Fac
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)	MDL		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte	Result <50.5	ics (DRO) ( Qualifier	GC) RL 50.5	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.5 sel Range Orga	ics (DRO) ( Qualifier	GC) RL 50.5	MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <50.5 sel Range Orga	Qualifier Unics (DRO) Qualifier	GC)  RL  50.5		Unit mg/Kg		<u> </u>	Analyzed 09/22/24 21:21	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <50.5 sel Range Orga Result	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U	GC)  RL  50.5		Unit mg/Kg		Prepared	Analyzed 09/22/24 21:21 Analyzed	Dil Fac  Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <50.5 sel Range Orga Result <50.5	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U	GC)  RL 50.5  (GC)  RL 50.5  50.5		Unit mg/Kg  Unit mg/Kg		Prepared 09/21/24 17:36	Analyzed 09/22/24 21:21  Analyzed 09/22/24 21:21	Dil Fac  Dil Fac  1
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.5 sel Range Orga Result <50.5	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  U *+	GC)  RL 50.5  (GC)  RL 50.5		Unit mg/Kg  Unit mg/Kg		Prepared 09/21/24 17:36	Analyzed 09/22/24 21:21  Analyzed 09/22/24 21:21	Dil Fac  Dil Fac  1
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.5 sel Range Orga Result <50.5 <50.5	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  U *+	GC)  RL 50.5  (GC)  RL 50.5  50.5		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 09/21/24 17:36 09/21/24 17:36	Analyzed 09/22/24 21:21  Analyzed 09/22/24 21:21 09/22/24 21:21	Dil Fac  Dil Fac  1
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result <50.5 sel Range Orga Result <50.5 <50.5 <50.5 <%Recovery	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  U *+	GC)  RL 50.5  (GC)  RL 50.5  50.5  50.5		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36	Analyzed 09/22/24 21:21  Analyzed 09/22/24 21:21 09/22/24 21:21 09/22/24 21:21	Dil Fac  Dil Fac  1  1  1

Client Sample ID: BG-16 (0-1')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-30

Matrix: Solid

RL

5.04

MDL Unit

mg/Kg

Prepared

Analyzed

09/21/24 01:06

Dil Fac

Date Received: 09/19/24 11:40

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

1000

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:45	09/21/24 02:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:45	09/21/24 02:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:45	09/21/24 02:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/19/24 13:45	09/21/24 02:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:45	09/21/24 02:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/19/24 13:45	09/21/24 02:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				09/19/24 13:45	09/21/24 02:32	1
1,4-Difluorobenzene (Surr)	84		70 - 130				09/19/24 13:45	09/21/24 02:32	1

**Eurofins Midland** 

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0

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mile midiane

Job ID: 880-48707-1 Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-16 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-30

**Matrix: Solid** 

Method: TAL SOP Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00402	U	0.00402		mg/Kg			09/21/24 02:32	1
	_									

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

MDL Unit Analyzed RL D Prepared Dil Fac Total TPH <49.7 U 49.7 09/22/24 21:40 mg/Kg

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

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7	mg/Kg		09/21/24 17:36	09/22/24 21:40	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.7	U *+	49.7	mg/Kg		09/21/24 17:36	09/22/24 21:40	1
C10-C28)								
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		09/21/24 17:36	09/22/24 21:40	1

%Recovery Qualifier Limits Analyzed Dil Fac Surrogate Prepared 09/21/24 17:36 1-Chlorooctane 133 S1+ 70 - 130 09/22/24 21:40 o-Terphenyl 134 S1+ 70 - 130 09/21/24 17:36 09/22/24 21:40

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride 579 5.04 mg/Kg 09/21/24 01:15

Client Sample ID: BG-16 (2')

Lab Sample ID: 880-48707-31 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Method: SW846 8021B - Volat									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 03:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 03:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 03:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 03:57	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 03:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				09/19/24 13:45	09/21/24 03:57	1
1,4-Difluorobenzene (Surr)	76		70 - 130				09/19/24 13:45	09/21/24 03:57	1
-									
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte		O. alifian							
	Result		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398		0.00398	MDL	mg/Kg	<u>D</u>	Prepared	Analyzed 09/21/24 03:57	Dil Fac
Total BTEX	<0.00398	U	0.00398	MDL		<u>D</u>	Prepared		
<u> </u>	<0.00398	U	0.00398	MDL	mg/Kg	<u>D</u>	Prepared		
Total BTEX  Method: SW846 8015 NM - Die	<0.00398	ics (DRO) (Qualifier	0.00398 GC)		mg/Kg			09/21/24 03:57	1
Total BTEX  Method: SW846 8015 NM - Dic Analyte  Total TPH	<0.00398 esel Range Organ Result <49.7	ics (DRO) (Gualifier	0.00398  GC)  RL  49.7		mg/Kg			09/21/24 03:57  Analyzed	1
Total BTEX  Method: SW846 8015 NM - Die Analyte	<0.00398 esel Range Organ Result <49.7 Diesel Range Organ	ics (DRO) (Gualifier U	0.00398  GC)  RL  49.7	MDL	mg/Kg  Unit mg/Kg		Prepared	09/21/24 03:57  Analyzed	Dil Fac
Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - D	<0.00398 esel Range Organ Result <49.7 Viesel Range Organ Result	ics (DRO) (Qualifier Unics (DRO) Qualifier	0.00398  GC)  RL 49.7  (GC) RL		mg/Kg  Unit mg/Kg			09/21/24 03:57  Analyzed  09/22/24 22:19  Analyzed	1
Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - D Analyte Gasoline Range Organics	<0.00398 esel Range Organ Result <49.7 Diesel Range Organ	ics (DRO) (Qualifier Unics (DRO) Qualifier	0.00398  GC)  RL 49.7  (GC)	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared	09/21/24 03:57  Analyzed  09/22/24 22:19	Dil Fac
Total BTEX  Method: SW846 8015 NM - Dic Analyte  Total TPH	<0.00398 esel Range Organ Result <49.7 Viesel Range Organ Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U U U	0.00398  GC)  RL 49.7  (GC) RL	MDL	mg/Kg  Unit mg/Kg  Unit	<u>D</u>	Prepared Prepared	09/21/24 03:57  Analyzed  09/22/24 22:19  Analyzed	Dil Fac

**Eurofins Midland** 

C10-C28)

SDG: Eddy County. New Mexico

Project/Site: Spill #2

Date Received: 09/19/24 11:40

Client: Carmona Resources

Lab Sample ID: 880-48707-31

Matrix: Solid

Client Sample ID: BG-16 (2') Date Collected: 09/13/24 00:00

П		
	Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (	(Continued)
	motification of the first property of the prop	(Continuou)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:36	09/22/24 22:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Surrogate 1-Chlorooctane		Qualifier S1+	70 - 130				<b>Prepared</b> 09/21/24 17:36	Analyzed 09/22/24 22:19	Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualif	fier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	943	25.2	mg/Kg	]		09/21/24 01:24	5

Client Sample ID: BG-17 (0-1')

Date Collected: 09/13/24 00:00

<49.7 U\*+

136 S1+

Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-32

**Matrix: Solid** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199		0.00199		mg/Kg	_ =	09/19/24 13:45	09/21/24 04:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 04:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 04:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 04:17	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 04:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 04:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				09/19/24 13:45	09/21/24 04:17	1

Method: TAL SOP Total BTEX - Tota	I BTEX Calculation				
1,4-Difluorobenzene (Surr)	84	70 - 130	09/19/24 13:45	09/21/24 04:17	1
4-Bromofluorobenzene (Surr)	87	70 _ 130	09/19/24 13:45	09/21/24 04:17	1

Method: IAL SOP Total BTEX - Tot	culation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 04:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
	Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<49.7	U	49.7	n	mg/Kg			09/22/24 22:38	1

	Total II II	10.7	10.7	1119/119			00/22/21 22:00	•		
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac		
	Gasoline Range Organics	<49.7 U	49.7	mg/Kg		09/21/24 17:36	09/22/24 22:38	1		
	(CBO) C6 C10									

1-Chlorooctane	132	S1+	70 - 130		09/21/24 17:36	09/22/24 22:38	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
C10-C28) Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg	09/21/24 17:36	09/22/24 22:38	1

70 - 130

49.7

mg/Kg

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.7	5.04	mg/Kg			09/21/24 01:33	1

**Eurofins Midland** 

Diesel Range Organics (Over

o-Terphenyl

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-17 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-33

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:45	09/21/24 04:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 13:45	09/21/24 04:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				09/19/24 13:45	09/21/24 04:38	1
1,4-Difluorobenzene (Surr)	92		70 - 130				09/19/24 13:45	09/21/24 04:38	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/21/24 04:38	1
Method: SW846 8015 NM - Diese	al Range Organ	ics (DRO) ((	GC)						
motilou. Otto-to contriti. Dioce	n italigo Organ	100 (Bito) (	<b>00</b> 1						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH	Result < 50.0		RL 50.0	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/22/24 22:58	Dil Fac
	<50.0	U	50.0	MDL		<u>D</u>	Prepared		
Total TPH	<50.0	U	50.0	MDL	mg/Kg	<u>D</u> 	Prepared Prepared		1
Total TPH  Method: SW846 8015B NM - Die	<50.0	nics (DRO) Qualifier	50.0 (GC)		mg/Kg	=	<u> </u>	09/22/24 22:58	1 Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte	<50.0 sel Range Orga Result	nics (DRO) Qualifier	50.0 (GC)		mg/Kg	=	Prepared	09/22/24 22:58  Analyzed	1
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 sel Range Orga Result	nics (DRO) Qualifier	50.0 (GC)		mg/Kg	=	Prepared	09/22/24 22:58  Analyzed	1 Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0  sel Range Orga Result <50.0 <50.0	nics (DRO) Qualifier U *+	50.0 (GC)  RL  50.0  50.0		mg/Kg  Unit mg/Kg  mg/Kg	=	Prepared 09/21/24 17:36 09/21/24 17:36	09/22/24 22:58  Analyzed  09/22/24 22:58  09/22/24 22:58	1 Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 sel Range Orga Result <50.0	nics (DRO) Qualifier U *+	50.0 (GC) RL 50.0		mg/Kg  Unit mg/Kg	=	Prepared 09/21/24 17:36	09/22/24 22:58  Analyzed  09/22/24 22:58	Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	<50.0  sel Range Orga Result <50.0 <50.0 <50.0 %Recovery	Oualifier U*+ U Qualifier	50.0  (GC)  RL  50.0  50.0  50.0  Limits		mg/Kg  Unit mg/Kg  mg/Kg	=	Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36 Prepared	09/22/24 22:58  Analyzed 09/22/24 22:58 09/22/24 22:58 09/22/24 22:58 Analyzed	Dil Fac  1  1  Dil Fac  Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<50.0  sel Range Orga Result <50.0 <50.0 <50.0	Oualifier U *+	50.0 (GC)  RL  50.0  50.0  50.0		mg/Kg  Unit mg/Kg  mg/Kg	=	Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36	09/22/24 22:58  Analyzed 09/22/24 22:58 09/22/24 22:58 09/22/24 22:58	1 Dil Fac 1 1
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 %Recovery 138	Oualifier U*+ U Qualifier	50.0  (GC)  RL  50.0  50.0  50.0  Limits		mg/Kg  Unit mg/Kg  mg/Kg	=	Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36 Prepared	09/22/24 22:58  Analyzed 09/22/24 22:58 09/22/24 22:58 09/22/24 22:58 Analyzed	Dil Fac
Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery 138 141	Oualifier U*+ U Qualifier S1+ S1+	50.0  (GC)  RL  50.0  50.0  50.0  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg	=	Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36  Prepared 09/21/24 17:36	09/22/24 22:58  Analyzed 09/22/24 22:58  09/22/24 22:58  09/22/24 22:58  Analyzed  09/22/24 22:58	Dil Fac  1  1  Dil Fac  Dil Fac
Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 *Recovery 138 141 a Chromatograp	Oualifier U*+ U Qualifier S1+ S1+	50.0  (GC)  RL  50.0  50.0  50.0  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg  mg/Kg	=	Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36  Prepared 09/21/24 17:36	09/22/24 22:58  Analyzed 09/22/24 22:58  09/22/24 22:58  09/22/24 22:58  Analyzed  09/22/24 22:58	1 1 1 Dil Fac 1

Client Sample ID: BG-18 (0-1') Lab Sample ID: 880-48707-34 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:45	09/21/24 04:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:45	09/21/24 04:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/19/24 13:45	09/21/24 04:59	1
1,4-Difluorobenzene (Surr)	81		70 - 130				09/19/24 13:45	09/21/24 04:59	1

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-18 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-34

09/21/24 01:50

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/21/24 04:59	1
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/22/24 23:17	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.2	U	50.2		mg/Kg		09/21/24 17:36	09/22/24 23:17	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.2	U *+	50.2		mg/Kg		09/21/24 17:36	09/22/24 23:17	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/21/24 17:36	09/22/24 23:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				09/21/24 17:36	09/22/24 23:17	1
o-Terphenyl	148	S1+	70 - 130				09/21/24 17:36	09/22/24 23:17	1
Mothod: EDA 200 0 Anione Ion	Chromotogran	hu Calubi							
Method: EPA 300.0 - Anions, Ion	Circinatograp	niy - Solubi	e						

Client Sample ID: BG-18 (2') Lab Sample ID: 880-48707-35 **Matrix: Solid** 

4.98

mg/Kg

15.9

Date Collected: 09/13/24 00:00

Chloride

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 05:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 05:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 05:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:45	09/21/24 05:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 05:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:45	09/21/24 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				09/19/24 13:45	09/21/24 05:19	1
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX	90 - Total BTEX Cald	culation	70 - 130				09/19/24 13:45	09/21/24 05:19	1
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit	<u>D</u>	09/19/24 13:45 Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX Analyte  Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00399	<b>Qualifier</b> U	RL 0.00399	MDL		<u>D</u>		Analyzed	
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00399 esel Range Organ	<b>Qualifier</b> U	RL 0.00399			<u>D</u>		Analyzed	
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00399 esel Range Organ	Qualifier U ics (DRO) ( Qualifier	RL 0.00399		mg/Kg	<u> </u>	Prepared	Analyzed 09/21/24 05:19	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00399 esel Range Organ Result <50.4	Qualifier U ics (DRO) ( Qualifier U	RL 0.00399  GC) RL 50.4		mg/Kg	<u> </u>	Prepared	Analyzed 09/21/24 05:19 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00399 esel Range Organ Result <50.4 iesel Range Orga	Qualifier U ics (DRO) ( Qualifier U	RL 0.00399  GC) RL 50.4	MDL	mg/Kg	<u> </u>	Prepared	Analyzed 09/21/24 05:19 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00399 esel Range Organ Result <50.4 iesel Range Orga	Qualifier U ics (DRO) ( Qualifier U inics (DRO) Qualifier	RL 0.00399  GC)  RL 50.4	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 05:19  Analyzed 09/22/24 23:36	Dil Fac Dil Fac

Client Sample ID: BG-18 (2')

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

Lab Sample ID: 880-48707-35

Matrix: Solid

Date Collected: 09/13/24 00:00	
Date Received: 09/19/24 11:40	

Method: 344046 60136 MM - Dies	ei Kange Orga	ilius (DRO)	(GC) (Continu	ieu)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/21/24 17:36	09/22/24 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				09/21/24 17:36	09/22/24 23:36	1
o-Terphenyl	149	S1+	70 - 130				09/21/24 17:36	09/22/24 23:36	1

Method: EPA 300.0 - Anions, Ion CI	hromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.78		5.00		mg/Kg			09/21/24 01:59	1

Client Sample ID: BG-19 (0-1')

Lab Sample ID: 880-48707-36

Matrix: Solid

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 05:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 05:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 05:40	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 05:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 05:40	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 05:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				09/19/24 13:45	09/21/24 05:40	1
1,4-Difluorobenzene (Surr)	75		70 - 130				09/19/24 13:45	09/21/24 05:40	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/21/24 05:40	1
Method: SW846 8015 NM - Diese Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Total TPH	<50.5		50.5		mg/Kg			09/22/24 23:55	1
Method: SW846 8015B NM - Die:	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5		50.5		mg/Kg		09/21/24 17:36	09/22/24 23:55	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.5	U *+	50.5		mg/Kg		09/21/24 17:36	09/22/24 23:55	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130				09/21/24 17:36	09/22/24 23:55	1
o-Terphenyl	149	S1+	70 - 130				09/21/24 17:36	09/22/24 23:55	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	hy - Solubl	e						
Analyte	• .	Qualifier	RL	MDL	11!4	D	Prepared	Analyzed	Dil Fac

**Eurofins Midland** 

09/21/24 03:56

101

mg/Kg

10100 F1

Chloride

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: BG-19 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48707-37

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				09/19/24 13:45	09/21/24 06:00	1
1,4-Difluorobenzene (Surr)	84		70 - 130				09/19/24 13:45	09/21/24 06:00	1
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX - To		culation	70 - 130				09/19/24 13:45	09/21/24 06:00	1
- ^	otal BTEX Cald	culation Qualifier	70 <sub>-</sub> 130 <b>R</b> L	MDL	Unit	D	09/19/24 13:45  Prepared	09/21/24 06:00  Analyzed	1 Dil Fac
Method: TAL SOP Total BTEX - To	otal BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			,
Method: TAL SOP Total BTEX - To Analyte	cotal BTEX Calc	<b>Qualifier</b> U	RL 0.00398	MDL		<u>D</u>		Analyzed	,
Method: TAL SOP Total BTEX - To Analyte Total BTEX Method: SW846 8015 NM - Diesel	cotal BTEX Calc Result <0.00398	<b>Qualifier</b> U	RL 0.00398	MDL MDL		<u>D</u>		Analyzed	,
Method: TAL SOP Total BTEX - Total BTEX - Total BTEX  Method: SW846 8015 NM - Diesel Analyte	cotal BTEX Calc Result <0.00398	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 09/21/24 06:00	Dil Fac
Method: TAL SOP Total BTEX - Total BTEX - Total BTEX  Method: SW846 8015 NM - Diesel Analyte  Total TPH	Result Control of the control of	Qualifier U ics (DRO) ( Qualifier U	RL 0.00398 GC) RL 50.5		mg/Kg		Prepared	Analyzed 09/21/24 06:00 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Total BTEX - Total BTEX  Method: SW846 8015 NM - Diesel Analyte  Total TPH  Method: SW846 8015B NM - Diesel	Result Result 70.00398 Range Organ Result 70.05 Result 70.05 Result	Qualifier U ics (DRO) ( Qualifier U	RL 0.00398 GC) RL 50.5		mg/Kg  Unit mg/Kg		Prepared	Analyzed 09/21/24 06:00 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Total BTEX - Total BTEX  Method: SW846 8015 NM - Diesel Analyte  Total TPH  Method: SW846 8015B NM - Diesel	Result Result 70.00398 Range Organ Result 70.05 Result 70.05 Result	Qualifier U ics (DRO) ( Qualifier U nics (DRO) Qualifier	RL 0.00398  GC)  RL 50.5	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 06:00  Analyzed 09/23/24 00:14	Dil Fac  Dil Fac
Method: TAL SOP Total BTEX - Total BTEX - Total BTEX  Method: SW846 8015 NM - Diesel Analyte  Total TPH  Method: SW846 8015B NM - Diesel Analyte	Result Co.00398 Range Organ Result <50.5 el Range Orga Result Result <50.5	Qualifier U ics (DRO) ( Qualifier U nics (DRO) Qualifier	RL 0.00398  GC)  RL 50.5  (GC)  RL	MDL	mg/Kg  Unit mg/Kg  Unit	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 06:00  Analyzed 09/23/24 00:14  Analyzed	Dil Fac  Dil Fac  Dil Fac

Oil Range Organics (Over C28-C36) <50.5 U 50.5 mg/Kg 09/21/24 17:36 09/23/24 00:14 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 146 S1+ 70 - 130 09/21/24 17:36 09/23/24 00:14 150 S1+ 70 - 130 09/21/24 17:36 09/23/24 00:14 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 5230 100 09/21/24 04:16 20 mg/Kg

Client Sample ID: BG-20 (0-1')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-38

Matrix: Solid

Date Received: 09/19/24 11:40

C10-C28)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				09/19/24 13:45	09/21/24 06:21	1
1,4-Difluorobenzene (Surr)	80		70 - 130				09/19/24 13:45	09/21/24 06:21	1

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: BG-20 (0-1')

Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-38

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 06:21	1
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 00:33	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:33	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U *+	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:33	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	172	S1+	70 - 130				09/21/24 17:36	09/23/24 00:33	1
o-Terphenyl	180	S1+	70 - 130				09/21/24 17:36	09/23/24 00:33	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6870		101		mg/Kg	— <u>-</u>		09/21/24 04:22	20

Client Sample ID: BG-20 (2')

Lab Sample ID: 880-48707-39

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	•
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	,
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 13:45	09/21/24 06:42	
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 13:45	09/21/24 06:42	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	89		70 - 130				09/19/24 13:45	09/21/24 06:42	1
1,4-Difluorobenzene (Surr)	83		70 <sub>-</sub> 130				09/19/24 13:45	09/21/24 06:42	-
Method: TAL SOP Total BTEX	- Total BTEX Cald			MDI	Unit	D			
		culation	70 - 130				09/19/24 13.45	09/21/24 00.42	
	- Total BTEX Cald	Qualifier	RL 0.00404	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/21/24 06:42	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00404	<b>Qualifier</b> U	RL 0.00404	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00404 esel Range Organ	<b>Qualifier</b> U	RL 0.00404			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00404		mg/Kg		Prepared	Analyzed 09/21/24 06:42	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <- 0.00404 esel Range Organ Result <- 50.0	Qualifier U ics (DRO) ( Qualifier U	RL 0.00404  GC) RL 50.0		mg/Kg		Prepared	Analyzed 09/21/24 06:42 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00404 esel Range Organ Result <50.0 diesel Range Orga	Qualifier U ics (DRO) ( Qualifier U	RL 0.00404  GC) RL 50.0		mg/Kg  Unit mg/Kg		Prepared	Analyzed 09/21/24 06:42 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00404 esel Range Organ Result <50.0 diesel Range Orga	Qualifier U  ics (DRO) ( Qualifier U  nics (DRO) Qualifier	RL 0.00404  GC)  RL 50.0	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 06:42  Analyzed 09/23/24 00:53	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - D Analyte Gasoline Range Organics	- Total BTEX Calc Result <0.00404 esel Range Organ Result <50.0 diesel Range Orga Result	Qualifier U  ics (DRO) ( Qualifier U  nics (DRO) Qualifier U	RL 0.00404  GC)  RL 50.0  (GC)  RL	MDL	mg/Kg  Unit mg/Kg  Unit	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 06:42  Analyzed 09/23/24 00:53  Analyzed	Dil Fa

**Eurofins Midland** 

**Matrix: Solid** 

Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-20 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-39

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	159	S1+	70 - 130				09/21/24 17:36	09/23/24 00:53	1
o-Terphenyl	172	S1+	70 - 130				09/21/24 17:36	09/23/24 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride 4790 99.6 09/21/24 04:29 20 mg/Kg

Client Sample ID: BG-21 (0-1')

Lab Sample ID: 880-48707-40

Date Collected: 09/13/24 00:00 **Matrix: Solid** Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 07:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 07:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 07:02	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 07:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 07:02	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 07:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				09/19/24 13:45	09/21/24 07:02	1
1,4-Difluorobenzene (Surr)	73		70 - 130				09/19/24 13:45	09/21/24 07:02	1

Anal	hod: SW846 8015 NM		Qualifier	RL	MDL Unit	n	Prepared	Analyzed	Dil Fac	
Allai	yte	Result	Quanner	IXL.	WIDE OILL		riepaieu	Allalyzeu	Diriac	
					mg/Kg			09/23/24 01:13		

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/23/24 01:13	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U *+	49.9		mg/Kg		09/21/24 17:36	09/23/24 01:13	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/23/24 01:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				09/21/24 17:36	09/23/24 01:13	1
o-Terphenyl	149	S1+	70 - 130				09/21/24 17:36	09/23/24 01:13	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.9	4.96	mg/Kg			09/21/24 04:36	1

Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-21 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-41

Matrix: Solid

Method: SW846 8021B - Volatile (	Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 22:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 22:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 22:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 13:47	09/20/24 22:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 22:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 13:47	09/20/24 22:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				09/19/24 13:47	09/20/24 22:45	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/19/24 13:47	09/20/24 22:45	1
Method: TAL SOP Total BTEX - To	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/20/24 22:45	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/22/24 22:38	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		09/21/24 17:28	09/22/24 22:38	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		09/21/24 17:28	09/22/24 22:38	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:28	09/22/24 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130				09/21/24 17:28	09/22/24 22:38	1

Client Sample ID: BG-22 (0-1') Lab Sample ID: 880-48707-42 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

RL

5.04

MDL Unit

mg/Kg

D

Prepared

Date Received: 09/19/24 11:40

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

1020

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 23:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 23:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 23:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:47	09/20/24 23:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 23:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:47	09/20/24 23:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				09/19/24 13:47	09/20/24 23:05	1
1.4-Difluorobenzene (Surr)	102		70 - 130				09/19/24 13:47	09/20/24 23:05	1

**Eurofins Midland** 

Released to Imaging: 3/12/2025 4:38:15 PM

Dil Fac

Analyzed

09/21/24 04:56

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: BG-22 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48707-42

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/20/24 23:05	1
 Method: SW846 8015 NM - D	Diesel Range Organ	ics (DRO) (G	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
randiyto									
Total TPH	<49.9	U	49.9		mg/Kg			09/22/24 22:58	1
					mg/Kg			09/22/24 22:58	1

<49.9 U 49.9 09/21/24 17:28 09/22/24 22:58 Gasoline Range Organics mg/Kg (GRO)-C6-C10 <49.9 U mg/Kg Diesel Range Organics (Over 49.9 09/21/24 17:28 09/22/24 22:58 C10-C28) Oil Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 09/21/24 17:28 09/22/24 22:58 %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac

 Surrogate
 %Recovery of the part of the

 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 3290
 99.4
 mg/Kg
 09/21/24 05:02
 20

Client Sample ID: BG-22 (2')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-43

Matrix: Solid

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				09/19/24 13:47	09/20/24 23:26	1
			70 - 130	MD			09/19/24 13:47	09/20/24 23:26	
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	70 - 130  RL 0.00403	MDL	Unit mg/Kg	<u>D</u>	09/19/24 13:47 Prepared	09/20/24 23:26  Analyzed  09/20/24 23:26	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00403	<b>Qualifier</b> U	RL 0.00403	MDL		<u>D</u>		Analyzed	•
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX Analyte  Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <	<b>Qualifier</b> U	RL 0.00403			<u>D</u>		Analyzed	
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Calc Result <	Qualifier U ics (DRO) ( Qualifier	RL 0.00403		mg/Kg		Prepared	Analyzed 09/20/24 23:26	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc  Result <a href="#">&lt;0.00403</a> sel Range Organ Result <a href="#">&lt;50.0</a>	Qualifier U ics (DRO) ( Qualifier U	RL 0.00403 ——————————————————————————————————		mg/Kg		Prepared	Analyzed 09/20/24 23:26 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00403  sel Range Organ Result <50.0  iesel Range Orga	Qualifier U ics (DRO) ( Qualifier U	RL 0.00403 ——————————————————————————————————	MDL	mg/Kg		Prepared	Analyzed 09/20/24 23:26 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00403  sel Range Organ Result <50.0  iesel Range Orga	Qualifier U ics (DRO) ( Qualifier U nics (DRO) Qualifier	RL 0.00403  GC)  RL 50.0	MDL	mg/Kg  Unit mg/Kg		Prepared Prepared	Analyzed 09/20/24 23:26  Analyzed 09/22/24 23:17	Dil Fac

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-22 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-43

**Matrix: Solid** 

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC) (Continu	ıed)				
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/21/24 17:28	09/22/24 23:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130			09/21/24 17:28	09/22/24 23:17	1
o-Terphenyl	131	S1+	70 - 130			09/21/24 17:28	09/22/24 23:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Dil Fac Unit D Prepared Analyzed 49.8 09/21/24 05:09 Chloride 1940 10 mg/Kg

Client Sample ID: BG-23 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-44 **Matrix: Solid** 

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 09/19/24 13:47 09/20/24 23:46 mg/Kg Toluene <0.00199 U 0.00199 09/19/24 13:47 09/20/24 23:46 mg/Kg Ethylbenzene <0.00199 U 0.00199 09/19/24 13:47 09/20/24 23:46 mg/Kg m-Xylene & p-Xylene 09/19/24 13:47 09/20/24 23:46 <0.00398 U 0.00398 mg/Kg o-Xylene <0.00199 U 0.00199 mg/Kg 09/19/24 13:47 09/20/24 23:46 Xylenes, Total <0.00398 U 0.00398 mg/Kg 09/19/24 13:47 09/20/24 23:46 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 09/19/24 13:47 4-Bromofluorobenzene (Surr) 108 09/20/24 23:46 1,4-Difluorobenzene (Surr) 101 70 - 130 09/19/24 13:47 09/20/24 23:46

**Method: TAL SOP Total BTEX - Total BTEX Calculation** Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared Total BTEX <0.00398 U 0.00398 mg/Kg 09/20/24 23:46

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Dil Fac D Prepared Analyzed Total TPH <49.8 U 49.8 09/22/24 23:36 mg/Kg Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

ei Kaliye Olya	(טאט) פטוווו	(GC)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<49.8	U	49.8		mg/Kg		09/21/24 17:28	09/22/24 23:36	1
<49.8	U	49.8		mg/Kg		09/21/24 17:28	09/22/24 23:36	1
<49.8	U	49.8		mg/Kg		09/21/24 17:28	09/22/24 23:36	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
130		70 - 130				09/21/24 17:28	09/22/24 23:36	1
125		70 - 130				09/21/24 17:28	09/22/24 23:36	1
	Result   <49.8   <49.8   <49.8   <49.8     <49.8     <49.8     <40.8     <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40.8   <40	Result   Qualifier	<49.8 U 49.8 <49.8 U 49.8 <49.8 U 49.8 <49.8 U 49.8 <a href="mailto:weight-left">WRecovery Qualifier Limits</a> 70 - 130	Result         Qualifier         RL         MDL           <49.8	Result   Qualifier   RL   MDL   Unit   mg/Kg	Result         Qualifier         RL         MDL         Unit         D           <49.8	Result         Qualifier         RL         MDL         Unit         D         Prepared           <49.8	Result          Qualifier         RL         MDL unit         D mg/Kg         Prepared 09/21/24 17:28         Analyzed 09/22/24 23:36           <49.8

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2440	99.0	mg/Kg			09/21/24 05:16	20

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: BG-23 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48707-45

Matrix: Solid

Toluene         <0.00199	Prepared	Analyzed	Dil Fa
Ethylbenzene	09/19/24 13:47	09/21/24 00:07	
Method: TAL SOP Total BTEX - Total BTEX Calculation   Analyte   Result   Qualifier   RL   MDL   Unit   D   Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)   Analyte   Result   Qualifier   RL   MDL   Unit   D   Model   Total TPH   C49.6   U   49.6   Mg/Kg   Mg	09/19/24 13:47	09/21/24 00:07	
Co-Xylene	09/19/24 13:47	09/21/24 00:07	
Surrogate	09/19/24 13:47	09/21/24 00:07	
Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 106 70 - 130 1,4-Difluorobenzene (Surr) 101 70 - 130  Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Total BTEX < <0.00398 U 0.00398 mg/Kg  Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Total TPH < <49.6 U 49.6 mg/Kg	09/19/24 13:47	09/21/24 00:07	
4-Bromofiluorobenzene (Surr)         106         70 - 130           1,4-Difluorobenzene (Surr)         101         70 - 130           Method: TAL SOP Total BTEX - Total BTEX Calculation         Result Qualifier         RL MDL Unit D         MDL Unit MD           Total BTEX         <0.00398	09/19/24 13:47	09/21/24 00:07	
Method: TAL SOP Total BTEX - Total BTEX Calculation   Analyte   Result   Qualifier   RL   MDL   Unit   D	Prepared	Analyzed	Dil Fa
Method: TAL SOP Total BTEX - Total BTEX Calculation  Analyte Result Qualifier RL MDL Unit D  Total BTEX < 0.00398 U 0.00398 mg/Kg  Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)  Analyte Result Qualifier RL MDL Unit D  Total TPH < 49.6 U 49.6 mg/Kg	09/19/24 13:47	09/21/24 00:07	
Analyte         Result         Qualifier         RL         MDL         Unit         D           Total BTEX         <0.00398	09/19/24 13:47	09/21/24 00:07	
Total BTEX			
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)  Analyte Result Qualifier RL MDL Unit mg/Kg	Prepared	Analyzed	Dil Fa
Analyte Result Qualifier RL MDL Unit D Total TPH <49.6 U 49.6 mg/Kg		09/21/24 00:07	
Total TPH <49.6 U 49.6 mg/Kg			
	Prepared	Analyzed	Dil Fa
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)		09/22/24 23:55	
Analyte Result Qualifier RL MDL Unit D	Prepared	Analyzed	Dil Fa

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		09/21/24 17:28	09/22/24 23:55	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U	49.6		mg/Kg		09/21/24 17:28	09/22/24 23:55	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/21/24 17:28	09/22/24 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				09/21/24 17:28	09/22/24 23:55	1
o-Terphenyl	153	S1+	70 - 130				09/21/24 17:28	09/22/24 23:55	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Solubl	9							
Analyte	Result	Qualifier	RL	MDL	Unit	[	)	Prepared	Analyzed	Dil Fac
Chloride	2630		99.0		mg/Kg				09/21/24 05:23	20

Client Sample ID: BG-24 (0-1')

Lab Sample ID: 880-48707-46

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 00:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 00:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 00:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:47	09/21/24 00:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 00:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:47	09/21/24 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				09/19/24 13:47	09/21/24 00:27	1
1.4-Difluorobenzene (Surr)	99		70 - 130				09/19/24 13:47	09/21/24 00:27	1

Eurofins Midland

**Matrix: Solid** 

2

3

5

7

9

11

16

14

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-24 (0-1')

Lab Sample ID: 880-48707-46 Date Collected: 09/13/24 00:00

Matrix: Solid

09/21/24 05:29

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 00:27	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/23/24 00:14	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.2	U	50.2		mg/Kg		09/21/24 17:28	09/23/24 00:14	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.2	U	50.2		mg/Kg		09/21/24 17:28	09/23/24 00:14	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/21/24 17:28	09/23/24 00:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				09/21/24 17:28	09/23/24 00:14	1
o-Terphenyl	130		70 - 130				09/21/24 17:28	09/23/24 00:14	1
Method: EPA 300.0 - Anions, Ion	01	h 0.1.11	l-						

Client Sample ID: BG-24 (2') Lab Sample ID: 880-48707-47 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

100

mg/Kg

2590

Date Received: 09/19/24 11:40

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:48	
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:48	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:48	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 00:48	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:48	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 00:48	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	114		70 - 130				09/19/24 13:47	09/21/24 00:48	
1,4-Difluorobenzene (Surr)	100		70 - 130				09/19/24 13:47	09/21/24 00:48	
		culation	70 - 130				03/13/24 10:47	03/21/27/00:10	
Method: TAL SOP Total BTEX	- Total BTEX Cald			MDI	11-14				
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL 0.00398	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/21/24 00:48	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald Result <0.00398	<b>Qualifier</b> U	RL 0.00398	MDL		<u> </u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00398 esel Range Organ	<b>Qualifier</b> U	RL 0.00398	MDL MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Cald Result <0.00398 esel Range Organ	Qualifier U ics (DRO) (	RL 0.00398		mg/Kg	<u> </u>	Prepared	Analyzed 09/21/24 00:48	Dil Fa
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Cald Result <0.00398 esel Range Organ Result <50.4	Qualifier U ics (DRO) ( Qualifier U	RL 0.00398  GC) RL 50.4		mg/Kg	<u> </u>	Prepared	Analyzed 09/21/24 00:48 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00398 esel Range Organ Result <50.4 Diesel Range Orga	Qualifier U ics (DRO) ( Qualifier U	RL 0.00398  GC) RL 50.4	MDL	mg/Kg	<u> </u>	Prepared	Analyzed 09/21/24 00:48 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10	- Total BTEX Calc Result <0.00398 esel Range Organ Result <50.4 Diesel Range Orga	Qualifier U ics (DRO) ( Qualifier U inics (DRO) Qualifier	RL 0.00398  GC)  RL 50.4  (GC)	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 00:48  Analyzed 09/23/24 00:33	Dil Fac

Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-24 (2') Lab Sample ID: 880-48707-47

Date Collected: 09/13/24 00:00 Matrix: Solid Date Received: 09/19/24 11:40

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC) (Continu	ıed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/21/24 17:28	09/23/24 00:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				09/21/24 17:28	09/23/24 00:33	1
o-Terphenyl	157	S1+	70 - 130				09/21/24 17:28	09/23/24 00:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride 2000 101 09/21/24 05:49 20 mg/Kg

Client Sample ID: BG-25 (0-1') Lab Sample ID: 880-48707-48 **Matrix: Solid** 

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:47	09/21/24 01:08	
Toluene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:47	09/21/24 01:08	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:47	09/21/24 01:08	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/19/24 13:47	09/21/24 01:08	
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:47	09/21/24 01:08	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/19/24 13:47	09/21/24 01:08	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	104		70 - 130				09/19/24 13:47	09/21/24 01:08	
1,4-Difluorobenzene (Surr)	102		70 - 130				09/19/24 13:47	09/21/24 01:08	
- Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/21/24 01:08	,
Method: SW846 8015 NM - Diese		, ,,	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/23/24 00:53	•
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/21/24 17:28	09/23/24 00:53	•
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/21/24 17:28	09/23/24 00:53	,
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:28	09/23/24 00:53	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	151	S1+	70 - 130				09/21/24 17:28	09/23/24 00:53	
o-Terphenyl	144	S1+	70 - 130				09/21/24 17:28	09/23/24 00:53	
•		0-161	_						
Method: EPA 300.0 - Anions, Ion	Chromatograp	ıny - Solubi	е						
Method: EPA 300.0 - Anions, Ion Analyte		Qualifier	e RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-25 (2')

Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-49 Date Collected: 09/13/24 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 01:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 01:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 01:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:47	09/21/24 01:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 01:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:47	09/21/24 01:29	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				09/19/24 13:47	09/21/24 01:29	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/19/24 13:47	09/21/24 01:29	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<del>.</del> •	<0.00399 el Range Organ		0.00399 GC)		mg/Kg			09/21/24 01:29	1
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (	GC)	MDL	Unit	D	Prepared	09/21/24 01:29  Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ	ics (DRO) (	GC)	MDL		<u>D</u>	Prepared		·
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.0	ics (DRO) ( Qualifier	GC) RL 50.0	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.0 sel Range Organ	ics (DRO) ( Qualifier	GC) RL 50.0	MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Dieso Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Qualifier Unics (DRO) Qualifier	GC)  RL  50.0		Unit mg/Kg		<u> </u>	Analyzed 09/23/24 01:13	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.0 sel Range Orga Result	Cualifier U  nics (DRO) Qualifier U  Qualifier U	GC)  RL  50.0  (GC)  RL		Unit mg/Kg Unit		Prepared	Analyzed 09/23/24 01:13  Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <a href="#">Result</a> <a href="#">Sel Range Orga</a> Result <a href="#">&lt;50.0</a>	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U	GC)  RL  50.0  (GC)  RL  50.0		Unit mg/Kg  Unit mg/Kg		Prepared 09/21/24 17:28	Analyzed 09/23/24 01:13  Analyzed 09/23/24 01:13	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result sel Range Orga Result  50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  U	GC)  RL  50.0  (GC)  RL  50.0  50.0		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 09/21/24 17:28 09/21/24 17:28	Analyzed 09/23/24 01:13  Analyzed 09/23/24 01:13 09/23/24 01:13	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	el Range Organ Result sel Range Orga Result  50.0 sel Range Orga Result  <50.0 <50.0	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  U	GC)  RL  50.0  (GC)  RL  50.0  50.0  50.0		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 09/21/24 17:28 09/21/24 17:28 09/21/24 17:28	Analyzed 09/23/24 01:13  Analyzed 09/23/24 01:13 09/23/24 01:13 09/23/24 01:13	Dil Fac
Total TPH  Method: SW846 8015B NM - Die	el Range Organ	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  U	GC)  RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 09/21/24 17:28 09/21/24 17:28 09/21/24 17:28 Prepared	Analyzed 09/23/24 01:13  Analyzed 09/23/24 01:13 09/23/24 01:13 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	el Range Organ	Cualifier U  Cualifier U  Cualifier U  Cualifier U  Cualifier U  Cualifier S1+ S1+	GC)  RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits 70 - 130 70 - 130		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 09/21/24 17:28 09/21/24 17:28 09/21/24 17:28 Prepared 09/21/24 17:28	Analyzed 09/23/24 01:13  Analyzed 09/23/24 01:13 09/23/24 01:13  Analyzed 09/23/24 01:13	Dil Fac

4.95

mg/Kg

5.38

09/21/24 06:16

Chloride

## **Surrogate Summary**

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid				Prep Type: Total/NA
				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48707-1	BG-1 (0-1')	97	109	
880-48707-1 MS	BG-1 (0-1')	113	97	
880-48707-1 MSD	BG-1 (0-1')	119	108	
880-48707-2	BG-1 (2')	120	111	
880-48707-3	BG-2 (0-1')	123	113	
880-48707-4	BG-2 (2')	127	108	
880-48707-5	BG-3 (0-1')	115	104	
380-48707-6	BG-3 (2')	130	111	
880-48707-7	BG-4 (0-1')	128	110	
380-48707-8	BG-4 (2')	133 S1+	116	
380-48707-9	BG-5 (0-1')	126	106	
880-48707-10	BG-6 (0-1')	134 S1+	105	
880-48707-11	BG-6 (2')	96	106	
880-48707-12	BG-7 (0-1')	131 S1+	117	
380-48707-13	BG-7 (2')	121	111	
880-48707-14	BG-8 (0-1')	128	115	
380-48707-15	BG-8 (2')	128	111	
380-48707-16	BG-9 (0-1')	119	116	
380-48707-17	BG-9 (2')	140 S1+	108	
380-48707-18	BG-10 (0-1')	130	113	
380-48707-19	BG-10 (2')	132 S1+	112	
380-48707-20	BG-11 (0-1')	142 S1+	124	
380-48707-21	BG-11 (2')	90	88	
380-48707-21 MS	BG-11 (2')	89	107	
380-48707-21 MSD	BG-11 (2')	91	97	
380-48707-22	BG-12 (0-1')	82	87	
380-48707-23	BG-12 (0-1)	90	88	
380-48707-24	BG-13 (0-1')	87	78	
380-48707-25	BG-13 (0-1)	85	88	
380-48707-25 380-48707-26	BG-14 (0-1')	101	80	
880-48707-27	BG-14 (2')	85 84	75 74	
880-48707-28	BG-15 (0-1')			
880-48707-29	BG-15 (2')	84	81	
380-48707-30	BG-16 (0-1')	86	84	
380-48707-31	BG-16 (2')	91	76	
380-48707-32	BG-17 (0-1')	87	84	
380-48707-33	BG-17 (2')	91	92	
380-48707-34	BG-18 (0-1')	90	81	
880-48707-35	BG-18 (2')	85	90	
380-48707-36	BG-19 (0-1')	83	75	
380-48707-37	BG-19 (2')	85	84	
380-48707-38	BG-20 (0-1')	93	80	
380-48707-39	BG-20 (2')	89	83	
380-48707-40	BG-21 (0-1')	86	73	
380-48707-41	BG-21 (2')	112	100	
880-48707-41 MS	BG-21 (2')	103	99	
880-48707-41 MSD	BG-21 (2')	104	101	
880-48707-42	BG-22 (0-1')	102	102	
880-48707-43	BG-22 (2')	109	102	

## **Surrogate Summary**

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

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

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48707-44	BG-23 (0-1')	108	101	
880-48707 <i>-</i> 44	BG-23 (0-1)	106	101	
880-48707-46	BG-24 (0-1')	110	99	
880-48707-47	BG-24 (2')	114	100	
880-48707-48	BG-25 (0-1')	104	102	
880-48707-49	BG-25 (2')	106	102	
LCS 880-91227/1-A	Lab Control Sample	103	94	
LCS 880-91228/1-A	Lab Control Sample	124	111	
LCS 880-91229/1-A	Lab Control Sample	101	99	
LCSD 880-91227/2-A	Lab Control Sample Dup	108	100	
LCSD 880-91228/2-A	Lab Control Sample Dup	89	110	
LCSD 880-91229/2-A	Lab Control Sample Dup	101	98	
MB 880-91198/5-A	Method Blank	74	93	
MB 880-91227/5-A	Method Blank	170 S1+	99	
MB 880-91228/5-A	Method Blank	77	93	
MB 880-91229/5-A	Method Blank	105	99	
MB 880-91286/5-A	Method Blank	105	100	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

-			
		1001	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-48608-A-1-D MS	Matrix Spike	131 S1+	124
880-48608-A-1-E MSD	Matrix Spike Duplicate	119	111
880-48707-1	BG-1 (0-1')	162 S1+	168 S1+
880-48707-1 MS	BG-1 (0-1')	155 S1+	136 S1+
880-48707-1 MSD	BG-1 (0-1')	180 S1+	164 S1+
880-48707-2	BG-1 (2')	179 S1+	184 S1+
880-48707-3	BG-2 (0-1')	165 S1+	170 S1+
880-48707-4	BG-2 (2')	170 S1+	173 S1+
880-48707-5	BG-3 (0-1')	172 S1+	177 S1+
880-48707-6	BG-3 (2')	149 S1+	160 S1+
880-48707-7	BG-4 (0-1')	148 S1+	146 S1+
880-48707-8	BG-4 (2')	183 S1+	193 S1+
880-48707-9	BG-5 (0-1')	145 S1+	143 S1+
880-48707-10	BG-6 (0-1')	158 S1+	167 S1+
880-48707-11	BG-6 (2')	150 S1+	153 S1+
880-48707-12	BG-7 (0-1')	169 S1+	179 S1+
880-48707-13	BG-7 (2')	176 S1+	183 S1+
880-48707-14	BG-8 (0-1')	143 S1+	150 S1+
880-48707-15	BG-8 (2')	174 S1+	177 S1+
880-48707-16	BG-9 (0-1')	158 S1+	158 S1+
880-48707-17	BG-9 (2')	136 S1+	152 S1+
880-48707-18	BG-10 (0-1')	154 S1+	154 S1+
880-48707-19	BG-10 (2')	148 S1+	151 S1+

#### **Surrogate Summary**

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1001	ОТРН1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-48707-20	BG-11 (0-1')	138 S1+	140 S1+	
380-48707-21	BG-11 (2')	127	133 S1+	
880-48707-21 MS	BG-11 (2')	138 S1+	128	
380-48707-21 MSD	BG-11 (2')	157 S1+	147 S1+	
380-48707-22	BG-12 (0-1')	130	138 S1+	
380-48707-23	BG-12 (2')	138 S1+	170 S1+	
880-48707-24	BG-13 (0-1')	165 S1+	175 S1+	
380-48707-25	BG-13 (2')	131 S1+	142 S1+	
380-48707-26	BG-14 (0-1')	161 S1+	171 S1+	
380-48707-27	BG-14 (2')	144 S1+	158 S1+	
380-48707-28	BG-15 (0-1')	167 S1+	180 S1+	
380-48707-29	BG-15 (2')	236 S1+	242 S1+	
380-48707-30	BG-16 (0-1')	133 S1+	134 S1+	
380-48707-31	BG-16 (2')	155 S1+	167 S1+	
380-48707-32	BG-17 (0-1')	132 S1+	136 S1+	
380-48707-33	BG-17 (2')	138 S1+	141 S1+	
380-48707-34	BG-18 (0-1')	149 S1+	148 S1+	
380-48707-35	BG-18 (2')	151 S1+	149 S1+	
380-48707-36	BG-19 (0-1')	146 S1+	149 S1+	
380-48707-37	BG-19 (2')	146 S1+	150 S1+	
880-48707-38	BG-20 (0-1')	172 S1+	180 S1+	
380-48707-39	BG-20 (2')	159 S1+	172 S1+	
380-48707-40	BG-21 (0-1')	139 S1+	149 S1+	
380-48707-41	BG-21 (2')	146 S1+	147 S1+	
880-48707-42	BG-22 (0-1')	121	129	
380-48707-43	BG-22 (2')	132 S1+	131 S1+	
880-48707-44	BG-23 (0-1')	130	125	
380-48707-45	BG-23 (2')	155 S1+	153 S1+	
880-48707-46	BG-24 (0-1')	132 S1+	130	
880-48707-47	BG-24 (2')	155 S1+	157 S1+	
380-48707-48	BG-25 (0-1')	151 S1+	144 S1+	
380-48707-49	BG-25 (2')	138 S1+	136 S1+	
_CS 880-91409/2-A	Lab Control Sample	103	97	
_CS 880-91411/2-A	Lab Control Sample	122	119	
_CS 880-91412/2-A	Lab Control Sample	103	89	
.CSD 880-91409/3-A	Lab Control Sample Dup	105	99	
.CSD 880-91411/3-A	Lab Control Sample Dup	105	93	
.CSD 880-91412/3-A	Lab Control Sample Dup	111	103	
MB 880-91409/1-A	Method Blank	213 S1+	218 S1+	
MB 880-91411/1-A	Method Blank	261 S1+	284 S1+	
MB 880-91412/1-A	Method Blank	270 S1+	279 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91198/5-A

**Matrix: Solid** Analysis Batch: 91280 Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 91198

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 10:56	09/20/24 12:21	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	09/19/24 10:56	09/20/24 12:21	1
1.4-Difluorobenzene (Surr)	93		70 - 130	09/19/24 10:56	09/20/24 12:21	1

Lab Sample ID: MB 880-91227/5-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Prep Batch: 91227 **Analysis Batch: 91420** 

MR MR Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 09/19/24 13:42 09/22/24 16:04 Toluene <0.00200 U 0.00200 mg/Kg 09/19/24 13:42 09/22/24 16:04 Ethylbenzene <0.00200 U 0.00200 mg/Kg 09/19/24 13:42 09/22/24 16:04 09/19/24 13:42 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 09/22/24 16:04 <0.00200 U o-Xylene 0.00200 mg/Kg 09/19/24 13:42 09/22/24 16:04 09/19/24 13:42 Xylenes, Total <0.00400 U 0.00400 mg/Kg 09/22/24 16:04

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130	09/19/24 13:42	09/22/24 16:04	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/19/24 13:42	09/22/24 16:04	1

**Client Sample ID: Lab Control Sample** Lab Sample ID: LCS 880-91227/1-A **Matrix: Solid** Prep Type: Total/NA

**Analysis Batch: 91420** 

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1021		mg/Kg		102	70 - 130	
Toluene	0.100	0.09883		mg/Kg		99	70 - 130	
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130	
m-Xylene & p-Xylene	0.200	0.2115		mg/Kg		106	70 - 130	
o-Xylene	0.100	0.1089		mg/Kg		109	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	103	70 - 130
1.4-Difluorobenzene (Surr)	94	70 - 130

Lab Sample ID: LCSD 880-91227/2-A

**Analysis Batch: 91420** 

**Matrix: Solid** 

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit

Benzene 0.100 0.1015 mg/Kg 102 70 - 130

**Eurofins Midland** 

Prep Type: Total/NA

Prep Batch: 91227

Client Sample ID: Lab Control Sample Dup

Prep Batch: 91227

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

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

Lab Sample ID: LCSD 880-91227/2-A **Matrix: Solid** 

**Analysis Batch: 91420** 

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 91227

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.09251		mg/Kg		93	70 - 130	7	35
Ethylbenzene	0.100	0.1102		mg/Kg		110	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2387		mg/Kg		119	70 - 130	12	35
o-Xylene	0.100	0.1055		mg/Kg		106	70 - 130	3	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-48707-1 MS Client Sample ID: BG-1 (0-1')

**Matrix: Solid** Prep Type: Total/NA Analysis Batch: 91420

Prep Batch: 91227

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.101	0.08248		mg/Kg		82	70 - 130	
Toluene	<0.00202	U	0.101	0.07404		mg/Kg		73	70 - 130	
Ethylbenzene	<0.00202	U	0.101	0.08590		mg/Kg		85	70 - 130	
m-Xylene & p-Xylene	<0.00404	U	0.202	0.1882		mg/Kg		93	70 - 130	
o-Xylene	<0.00202	U	0.101	0.08214		mg/Kg		81	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	113	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: 880-48707-1 MSD

Matrix: Solid

Analysis Batch: 91420

Client Sample ID: BG-1 (0-1') Prep Type: Total/NA Prep Batch: 91227

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.0998	0.08261		mg/Kg		83	70 - 130	0	35
Toluene	<0.00202	U	0.0998	0.06973		mg/Kg		70	70 - 130	6	35
Ethylbenzene	<0.00202	U	0.0998	0.07660		mg/Kg		77	70 - 130	11	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1796		mg/Kg		90	70 - 130	5	35
o-Xylene	<0.00202	U	0.0998	0.08533		mg/Kg		86	70 - 130	4	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: MB 880-91228/5-A

**Matrix: Solid** 

Analysis Batch: 91280

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91228

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:45	09/20/24 23:06	1

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Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

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

Lab Sample ID: MB 880-91228/5-A

**Matrix: Solid** 

Analysis Batch: 91280

Client	Sample	ID:	Method	Blank

Prep Type: Total/NA

Prep Batch: 91228

Prep Batch: 91228

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 13:45	09/20/24 23:06	1

мв мв

мв мв

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77	70 - 130	09/19/24 13:45	09/20/24 23:06	1
1,4-Difluorobenzene (Surr)	93	70 - 130	09/19/24 13:45	09/20/24 23:06	1

Lab Sample ID: LCS 880-91228/1-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Solid** 

**Analysis Batch: 91280** 

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09797		mg/Kg		98	70 - 130	
Toluene	0.100	0.09648		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130	
m-Xylene & p-Xylene	0.200	0.2079		mg/Kg		104	70 - 130	

0.1291

mg/Kg

0.100

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	124	70 - 130
1.4-Difluorobenzene (Surr)	111	70 - 130

Lab Sample ID: LCSD 880-91228/2-A

Matrix: Solid

o-Xylene

**Analysis Batch: 91280** 

<b>Client Sample</b>	ID: Lab	<b>Control</b>	<b>Sample</b>	Dup
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70 - 130

Prep Type: Total/NA

Prep Batch: 91228

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09044		mg/Kg		90	70 - 130	8	35
Toluene	0.100	0.08444		mg/Kg		84	70 - 130	13	35
Ethylbenzene	0.100	0.08576		mg/Kg		86	70 - 130	24	35
m-Xylene & p-Xylene	0.200	0.1610		mg/Kg		81	70 - 130	25	35
o-Xylene	0.100	0.09263		mg/Kg		93	70 - 130	33	35
Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	0.100 0.100 0.100 0.200	0.09044 0.08444 0.08576 0.1610	Qualifier	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	90 84 86 81	70 - 130 70 - 130 70 - 130 70 - 130	8 13 24 25	35 35 35 35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	89	70 - 130
1.4-Difluorobenzene (Surr)	110	70 - 130

Lab Sample ID: 880-48707-21 MS

**Matrix: Solid** 

**Analysis Batch: 91280** 

Client Sample ID: BG-11 (2')	Client	Sampl	le ID: I	<b>BG-11</b> (	(2')
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Prep Type: Total/NA

Prep Batch: 91228

•	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.101	0.08121		mg/Kg		81	70 - 130	
Toluene	<0.00202	U	0.101	0.07346		mg/Kg		73	70 - 130	
Ethylbenzene	<0.00202	U F1	0.101	0.06568	F1	mg/Kg		65	70 - 130	
m-Xylene & p-Xylene	<0.00404	U F1	0.202	0.1199	F1	mg/Kg		59	70 - 130	
o-Xylene	<0.00202	U F1	0.101	0.06022	F1	mg/Kg		60	70 - 130	

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

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

MS MS

Sample Sample

Lab Sample ID: 880-48707-21 MS

**Matrix: Solid** 

Analysis Batch: 91280

Client Sample ID: BG-11 (2')

Prep Type: Total/NA

Prep Batch: 91228

	III 3	Wis	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-48707-21 MSD

Analysis Batch: 91280

Client Sample ID: BG-11 (2') Matrix: Solid Prep Type: Total/NA Prep Batch: 91228

MSD MSD

RPD %Rec

Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.0998	0.07131		mg/Kg		71	70 - 130	13	35
Toluene	<0.00202	U	0.0998	0.06991		mg/Kg		70	70 - 130	5	35
Ethylbenzene	<0.00202	U F1	0.0998	0.06585	F1	mg/Kg		66	70 - 130	0	35
m-Xylene & p-Xylene	<0.00404	U F1	0.200	0.1358	F1	mg/Kg		68	70 - 130	12	35
o-Xylene	<0.00202	U F1	0.0998	0.06396	F1	mg/Kg		64	70 - 130	6	35

Spike

MSD MSD %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 91 70 - 130 97 70 - 130 1,4-Difluorobenzene (Surr)

Lab Sample ID: MB 880-91229/5-A

**Matrix: Solid** 

**Analysis Batch: 91278** 

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91229

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
Xvlenes Total	<0.00400	H	0.00400		ma/Ka		09/19/24 13:47	09/20/24 22:23	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	09/19/24 13:47	09/20/24 22:23	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/19/24 13:47	09/20/24 22:23	1

Lab Sample ID: LCS 880-91229/1-A

Released to Imaging: 3/12/2025 4:38:15 PM

**Matrix: Solid** 

**Analysis Batch: 91278** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 91229

<b>Spike</b>	LCS	LCS				%Rec	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
0.100	0.09103		mg/Kg		91	70 - 130	
0.100	0.08674		mg/Kg		87	70 - 130	
0.100	0.08487		mg/Kg		85	70 - 130	
0.200	0.1799		mg/Kg		90	70 - 130	
0.100	0.09124		mg/Kg		91	70 - 130	
	Added 0.100 0.100 0.100 0.200	Added         Result           0.100         0.09103           0.100         0.08674           0.100         0.08487           0.200         0.1799	Added         Result         Qualifier           0.100         0.09103           0.100         0.08674           0.100         0.08487           0.200         0.1799	Added         Result         Qualifier         Unit           0.100         0.09103         mg/Kg           0.100         0.08674         mg/Kg           0.100         0.08487         mg/Kg           0.200         0.1799         mg/Kg	Added         Result         Qualifier         Unit         D           0.100         0.09103         mg/Kg           0.100         0.08674         mg/Kg           0.100         0.08487         mg/Kg           0.200         0.1799         mg/Kg	Added         Result         Qualifier         Unit         D         %Rec           0.100         0.09103         mg/Kg         91           0.100         0.08674         mg/Kg         87           0.100         0.08487         mg/Kg         85           0.200         0.1799         mg/Kg         90	Added         Result         Qualifier         Unit         D         %Rec         Limits           0.100         0.09103         mg/Kg         91         70 - 130           0.100         0.08674         mg/Kg         87         70 - 130           0.100         0.08487         mg/Kg         85         70 - 130           0.200         0.1799         mg/Kg         90         70 - 130

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 101 70 - 130

Job ID: 880-48707-1 Client: Carmona Resources SDG: Eddy County. New Mexico Project/Site: Spill #2

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

Lab Sample ID: LCS 880-91229/1-A

**Matrix: Solid** 

**Analysis Batch: 91278** 

**Client Sample ID: Lab Control Sample** 

**Prep Type: Total/NA** 

Prep Batch: 91229

LCS LCS

Limits Surrogate %Recovery Qualifier 1,4-Difluorobenzene (Surr) 99 70 - 130

Lab Sample ID: LCSD 880-91229/2-A

**Matrix: Solid** 

**Analysis Batch: 91278** 

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91229

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09165		mg/Kg		92	70 - 130	1	35
Toluene	0.100	0.08666		mg/Kg		87	70 - 130	0	35
Ethylbenzene	0.100	0.08550		mg/Kg		86	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1816		mg/Kg		91	70 - 130	1	35
o-Xylene	0.100	0.09161		mg/Kg		92	70 - 130	0	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	101	70 - 130
1.4-Difluorobenzene (Surr)	98	70 - 130

Lab Sample ID: 880-48707-41 MS Client Sample ID: BG-21 (2')

Matrix: Solid

**Analysis Batch: 91278** 

Prep Type: Total/NA

Prep Batch: 91229

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00202	U	0.101	0.08410		mg/Kg		83	70 - 130
Toluene	<0.00202	U	0.101	0.07905		mg/Kg		78	70 - 130
Ethylbenzene	<0.00202	U	0.101	0.07720		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.202	0.1625		mg/Kg		81	70 - 130
o-Xylene	<0.00202	U	0.101	0.08190		mg/Kg		81	70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	103	70 - 130
1.4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: 880-48707-41 MSD

Matrix: Solid

**Analysis Batch: 91278** 

Client Sample ID: BG-21 (2') Prep Type: Total/NA

Prep Batch: 91229

l		Sample	Sample	Spike	MSD	MSD				%Rec		RPD
l	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
l	Benzene	<0.00202	U	0.0998	0.08768		mg/Kg		88	70 - 130	4	35
	Toluene	<0.00202	U	0.0998	0.08281		mg/Kg		83	70 - 130	5	35
	Ethylbenzene	<0.00202	U	0.0998	0.08049		mg/Kg		81	70 - 130	4	35
	m-Xylene & p-Xylene	<0.00404	U	0.200	0.1700		mg/Kg		85	70 - 130	4	35
	o-Xylene	<0.00202	U	0.0998	0.08559		mg/Kg		86	70 - 130	4	35
ı												

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

## QC Sample Results

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

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

Lab Sample ID: MB 880-91286/5-A

**Matrix: Solid** 

Analysis Batch: 91278								Prep Batch	n: <b>91286</b>
	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/20/24 09:13	09/20/24 11:46	1

	МВ	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	09/20/24 09:13	09/20/24 11:46	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/20/24 09:13	09/20/24 11:46	1

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

MB MB

Lab Sample ID: MB 880-91409/1-A

**Matrix: Solid** 

**Analysis Batch: 91414** 

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

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91409

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 09/21/24 17:28 09/22/24 17:09 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 09/21/24 17:28 09/22/24 17:09 C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 09/21/24 17:28 09/22/24 17:09 mg/Kg

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	213	S1+	70 - 130	09/21/24 17:2	8 09/22/24 17:09	1
o-Terphenyl	218	S1+	70 - 130	09/21/24 17:2	8 09/22/24 17:09	1

Lab Sample ID: LCS 880-91409/2-A

**Matrix: Solid** 

Analysis Batch: 91414

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 91409

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 856.8 mg/Kg 86 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 862.5 mg/Kg 86 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-91409/3-A

**Matrix: Solid** 

Analysis Batch: 91414

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

Prep Batch: 91409

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 854.6 mg/Kg 85 70 - 130

(GRO)-C6-C10

## QC Sample Results

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

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

Lab Sample ID: LCSD 880-91409/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 91414 Prep Batch: 91409

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Unit %Rec Limits **RPD** Limit Analyte D 1000 939 8 94 70 - 130 20 Diesel Range Organics (Over mg/Kg 9

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 105 70 130 o-Terphenyl 99 70 - 130

Lab Sample ID: 880-48608-A-1-D MS Client Sample ID: Matrix Spike

**Matrix: Solid** Prep Type: Total/NA Analysis Batch: 91414 Prep Batch: 91409

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits U F1 1010 725.4 F1 Gasoline Range Organics <49.9 mg/Kg 69 70 - 130 (GRO)-C6-C10 <49.9 U 1010 879.6 mg/Kg 83 70 - 130 Diesel Range Organics (Over

C10-C28)

C10-C28)

Matrix: Solid

MS MS Qualifier %Recovery Surrogate Limits 1-Chlorooctane 131 S1+ 70 - 130 124 70 - 130 o-Terphenyl

Lab Sample ID: 880-48608-A-1-E MSD

**Matrix: Solid** 

**Analysis Batch: 91414** 

Prep Batch: 91409 Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit Gasoline Range Organics <49.9 U F1 1010 688.5 F1 mg/Kg 65 70 - 1305 20 (GRO)-C6-C10 <49.9 U 1010 784.0 74 70 - 130 20 Diesel Range Organics (Over mg/Kg 11

MSD MSD Qualifier Surrogate %Recovery Limits 1-Chlorooctane 119 70 - 130 o-Terphenyl 111 70 - 130

Lab Sample ID: MB 880-91411/1-A

**Analysis Batch: 91416** 

мв мв

Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 09/21/24 17:33 09/22/24 07:13 mg/Kg (GRO)-C6-C10 50.0 09/21/24 17:33 09/22/24 07:13 Diesel Range Organics (Over <50.0 U mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 09/21/24 17:33 09/22/24 07:13

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac S1+ 70 - 130 09/21/24 17:33 09/22/24 07:13 1-Chlorooctane 261 09/21/24 17:33 09/22/24 07:13 284 S1+ 70 - 130 o-Terphenyl

**Eurofins Midland** 

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 91411

Prep Type: Total/NA

Client Sample ID: Matrix Spike Duplicate

## **QC Sample Results**

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

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

Lab Sample ID: LCS 880-91411/2-A

Matrix: Solid

Analysis Batch: 91416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 91411

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	694.6	*-	mg/Kg		69	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	608.0	*-	mg/Kg		61	70 - 130	
C10-C28)								

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: LCSD 880-91411/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid
Analysis Batch: 91416
Spike LCSD LCSD Prep Type: Total/NA
Prep Batch: 91411
%Rec RPD

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	866.2	*1	mg/Kg		87	70 - 130	22	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	967.8	*1	mg/Kg		97	70 - 130	46	20	
C10-C28)										

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 880-48707-1 MS

Client Sample ID: BG-1 (0-1')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 91416

Prep Batch: 91411

Sample Sa

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	1000	1048		mg/Kg		102	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1 F1	1000	1204		mg/Kg		115	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	155	S1+	70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: 880-48707-1 MSD

Matrix: Solid

Client Sample ID: BG-1 (0-1')

Prep Type: Total/NA

Analysis Batch: 91416

Prep Batch: 91416

Prep Batch: 91416

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	1000	1203		mg/Kg		117	70 - 130	14	20	
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1 F1	1000	1430	F1	mg/Kg		138	70 - 130	17	20	
	MSD	MSD										

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 180
 S1+
 70 - 130

Job ID: 880-48707-1

Client Sample ID: BG-1 (0-1')

Prep Type: Total/NA

Prep Batch: 91411

Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

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

Lab Sample ID: 880-48707-1 MSD **Matrix: Solid** 

Analysis Batch: 91416

MSD MSD

Surrogate %Recovery Qualifier Limits o-Terphenyl 164 S1+ 70 - 130

Lab Sample ID: MB 880-91412/1-A

**Matrix: Solid** 

**Analysis Batch: 91416** 

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

Prep Batch: 91412

мв мв Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 09/21/24 17:36 09/22/24 17:09 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 09/21/24 17:36 09/22/24 17:09 C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 09/21/24 17:36 09/22/24 17:09

MB MB

%Recovery Surrogate Qualifier Limits Prepared Analyzed Dil Fac 270 S1+ 70 - 130 09/21/24 17:36 1-Chlorooctane 09/22/24 17:09 279 S1+ 70 - 130 09/21/24 17:36 09/22/24 17:09 o-Terphenyl

Lab Sample ID: LCS 880-91412/2-A

**Matrix: Solid** 

**Analysis Batch: 91416** 

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 91412

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits D Gasoline Range Organics 1000 1116 mg/Kg 112 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1333 \*+ mg/Kg 133 70 - 130 C10-C28)

LCS LCS

%Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 103 70 - 130 o-Terphenyl 89

Lab Sample ID: LCSD 880-91412/3-A

**Matrix: Solid** Analysis Batch: 91416 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Prep Batch: 91412

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit 1000 1121 Gasoline Range Organics mg/Kg 112 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1104 mg/Kg 110 70 - 130 19 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	103		70 - 130

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

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

Lab Sample ID: 880-48707-21 MS

Analysis Batch: 91416

**Matrix: Solid** 

Client Sample ID: BG-11 (2')

Prep Type: Total/NA Prep Batch: 91412

Sample Sample Spike MS MS Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits Gasoline Range Organics <49.8 U 1010 1113 mg/Kg 108 70 - 130 (GRO)-C6-C10 1010 Diesel Range Organics (Over <49.8 U\*+ 1159 mg/Kg 70 - 130111 C10-C28)

MS MS

MCD MCD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	138	S1+	70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: 880-48707-21 MSD

**Matrix: Solid** 

**Analysis Batch: 91416** 

Client Sample ID: BG-11 (2')

Prep Type: Total/NA

Prep Batch: 91412

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1010	1147		mg/Kg		112	70 - 130	3	20
Diesel Range Organics (Over	<49.8	U *+	1010	1324		mg/Kg		127	70 - 130	13	20
C10 C20)											

C10-C28)

	INISD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	157	S1+	70 - 130
o-Terphenyl	147	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91283/1-A

**Matrix: Solid** 

**Analysis Batch: 91312** 

Client Sample ID: Method Blank

**Prep Type: Soluble** 

MB MB

Analyte	Result	Qualifier	RL	
Chlorido	<5.00	П	5.00	Τ

MDL Unit Dil Fac Prepared Analyzed 09/20/24 16:37 mg/Kg

Lab Sample ID: LCS 880-91283/2-A

**Matrix: Solid** 

**Client Sample ID: Lab Control Sample** 

**Prep Type: Soluble** 

Analysis Batch: 91312

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 247.3 99 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-91283/3-A

Matrix: Solid

**Analysis Batch: 91312** 

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 248.2 90 - 110 mg/Kg 99 20

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

Client Sample ID: BG-3 (2')

Client Sample ID: Lab Control Sample Dup

**Prep Type: Soluble** 

Client Sample ID: BG-9 (0-1')

Client Sample ID: BG-9 (0-1')

Client Sample ID: BG-14 (0-1')

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-48707-6 MS

Client Sample ID: BG-3 (2') **Matrix: Solid Prep Type: Soluble** Analysis Batch: 91312

Spike MS MS %Rec Sample Sample Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits Chloride 4180 F1 4970 10960 F1 mg/Kg 137 90 - 110

Lab Sample ID: 880-48707-6 MSD

**Matrix: Solid** 

**Analysis Batch: 91312** 

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Chloride 4180 F1 4970 10980 F1 mg/Kg 137 90 - 110

Lab Sample ID: MB 880-91284/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 91328** 

мв мв

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 09/20/24 21:37 mg/Kg

Lab Sample ID: LCS 880-91284/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 91328** 

LCS LCS Spike %Rec Added Analyte Result Qualifier Unit %Rec Limits Chloride 250 234.7 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-91284/3-A

**Matrix: Solid** 

**Analysis Batch: 91328** 

LCSD LCSD Spike %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 232.2 mg/Kg 93 90 - 110

Lab Sample ID: 880-48707-16 MS

**Matrix: Solid** 

**Analysis Batch: 91328** 

Sample Sample Spike MS MS %Rec Qualifier Added Analyte Result Result Qualifier Unit D %Rec Limits Chloride 2220 F1 2520 5101 F1 mg/Kg 114 90 - 110

Lab Sample ID: 880-48707-16 MSD

**Matrix: Solid** 

**Analysis Batch: 91328** 

MSD MSD %Rec RPD Sample Sample Spike Result Qualifier Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec 2520 Chloride 2220 F1 5080 F1 mg/Kg 113 90 - 110 20

Lab Sample ID: 880-48707-26 MS

**Matrix: Solid** 

Analysis Batch: 91328										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	3230	F1	2480	6062	F1	mg/Kg		114	90 - 110	

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

Client Sample ID: BG-14 (0-1')

**Prep Type: Soluble** 

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-48707-26 MSD

**Matrix: Solid** 

Project/Site: Spill #2

**Analysis Batch: 91328** 

Client: Carmona Resources

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	3230	F1	2480	6093	F1	mg/Kg		115	90 - 110	1	20

Lab Sample ID: MB 880-91285/1-A Client Sample ID: Method Blank Matrix: Solid **Prep Type: Soluble** 

Analysis Batch: 91341

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			09/21/24 03:36	1

MB MB

Lab Sample ID: LCS 880-91285/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 91341

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	246.3		mg/Kg	_	99	90 - 110	

Lab Sample ID: LCSD 880-91285/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 91341** 

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	245.6		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-48707-36 MS Client Sample ID: BG-19 (0-1') **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 91341

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	10100	F1	5030	16850	F1	ma/Ka		135	90 - 110	 	_

Lab Sample ID: 880-48707-36 MSD Client Sample ID: BG-19 (0-1') **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 91341

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	10100	F1	5030	17140	F1	mg/Kg		140	90 - 110	2	20

Lab Sample ID: 880-48707-46 MS Client Sample ID: BG-24 (0-1') **Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 91341** 

	Sample Sample	Spike	MS	MS				%Rec
Analyte	Result Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	2590	5010	7998		mg/Kg		108	90 - 110

Lab Sample ID: 880-48707-46 MSD Client Sample ID: BG-24 (0-1') **Prep Type: Soluble** 

Matrix: Solid

Analysis Batch: 91341											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	2590		5010	7997		mg/Kg		108	90 - 110	0	20

Client: Carmona Resources

Job ID: 880-48707-1
Project/Site: Spill #2

SDG: Eddy County. New Mexico

## **GC VOA**

## Prep Batch: 91198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91198/5-A	Method Blank	Total/NA	Solid	5035	

### Prep Batch: 91227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	5035	
880-48707-2	BG-1 (2')	Total/NA	Solid	5035	
880-48707-3	BG-2 (0-1')	Total/NA	Solid	5035	
880-48707-4	BG-2 (2')	Total/NA	Solid	5035	
880-48707-5	BG-3 (0-1')	Total/NA	Solid	5035	
880-48707-6	BG-3 (2')	Total/NA	Solid	5035	
880-48707-7	BG-4 (0-1')	Total/NA	Solid	5035	
880-48707-8	BG-4 (2')	Total/NA	Solid	5035	
880-48707-9	BG-5 (0-1')	Total/NA	Solid	5035	
880-48707-10	BG-6 (0-1')	Total/NA	Solid	5035	
880-48707-11	BG-6 (2')	Total/NA	Solid	5035	
880-48707-12	BG-7 (0-1')	Total/NA	Solid	5035	
880-48707-13	BG-7 (2')	Total/NA	Solid	5035	
880-48707-14	BG-8 (0-1')	Total/NA	Solid	5035	
880-48707-15	BG-8 (2')	Total/NA	Solid	5035	
880-48707-16	BG-9 (0-1')	Total/NA	Solid	5035	
880-48707-17	BG-9 (2')	Total/NA	Solid	5035	
880-48707-18	BG-10 (0-1')	Total/NA	Solid	5035	
880-48707-19	BG-10 (2')	Total/NA	Solid	5035	
880-48707-20	BG-11 (0-1')	Total/NA	Solid	5035	
MB 880-91227/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91227/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91227/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48707-1 MS	BG-1 (0-1')	Total/NA	Solid	5035	
880-48707-1 MSD	BG-1 (0-1')	Total/NA	Solid	5035	

#### Prep Batch: 91228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-48707-21	BG-11 (2')	Total/NA	Solid	5035	_
880-48707-22	BG-12 (0-1')	Total/NA	Solid	5035	
880-48707-23	BG-12 (2')	Total/NA	Solid	5035	
880-48707-24	BG-13 (0-1')	Total/NA	Solid	5035	
880-48707-25	BG-13 (2')	Total/NA	Solid	5035	
880-48707-26	BG-14 (0-1')	Total/NA	Solid	5035	
880-48707-27	BG-14 (2')	Total/NA	Solid	5035	
880-48707-28	BG-15 (0-1')	Total/NA	Solid	5035	
880-48707-29	BG-15 (2')	Total/NA	Solid	5035	
880-48707-30	BG-16 (0-1')	Total/NA	Solid	5035	
880-48707-31	BG-16 (2')	Total/NA	Solid	5035	
880-48707-32	BG-17 (0-1')	Total/NA	Solid	5035	
880-48707-33	BG-17 (2')	Total/NA	Solid	5035	
880-48707-34	BG-18 (0-1')	Total/NA	Solid	5035	
880-48707-35	BG-18 (2')	Total/NA	Solid	5035	
880-48707-36	BG-19 (0-1')	Total/NA	Solid	5035	
880-48707-37	BG-19 (2')	Total/NA	Solid	5035	
880-48707-38	BG-20 (0-1')	Total/NA	Solid	5035	
880-48707-39	BG-20 (2')	Total/NA	Solid	5035	

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Job ID: 880-48707-1 Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County. New Mexico

**GC VOA (Continued)** 

### Prep Batch: 91228 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-40	BG-21 (0-1')	Total/NA	Solid	5035	
MB 880-91228/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91228/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91228/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48707-21 MS	BG-11 (2')	Total/NA	Solid	5035	
880-48707-21 MSD	BG-11 (2')	Total/NA	Solid	5035	

## Prep Batch: 91229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Total/NA	Solid	5035	
880-48707-42	BG-22 (0-1')	Total/NA	Solid	5035	
880-48707-43	BG-22 (2')	Total/NA	Solid	5035	
880-48707-44	BG-23 (0-1')	Total/NA	Solid	5035	
880-48707-45	BG-23 (2')	Total/NA	Solid	5035	
880-48707-46	BG-24 (0-1')	Total/NA	Solid	5035	
880-48707-47	BG-24 (2')	Total/NA	Solid	5035	
880-48707-48	BG-25 (0-1')	Total/NA	Solid	5035	
880-48707-49	BG-25 (2')	Total/NA	Solid	5035	
MB 880-91229/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91229/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91229/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48707-41 MS	BG-21 (2')	Total/NA	Solid	5035	
880-48707-41 MSD	BG-21 (2')	Total/NA	Solid	5035	

### **Analysis Batch: 91278**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Total/NA	Solid	8021B	91229
880-48707-42	BG-22 (0-1')	Total/NA	Solid	8021B	91229
880-48707-43	BG-22 (2')	Total/NA	Solid	8021B	91229
880-48707-44	BG-23 (0-1')	Total/NA	Solid	8021B	91229
880-48707-45	BG-23 (2')	Total/NA	Solid	8021B	91229
880-48707-46	BG-24 (0-1')	Total/NA	Solid	8021B	91229
880-48707-47	BG-24 (2')	Total/NA	Solid	8021B	91229
880-48707-48	BG-25 (0-1')	Total/NA	Solid	8021B	91229
880-48707-49	BG-25 (2')	Total/NA	Solid	8021B	91229
MB 880-91229/5-A	Method Blank	Total/NA	Solid	8021B	91229
MB 880-91286/5-A	Method Blank	Total/NA	Solid	8021B	91286
LCS 880-91229/1-A	Lab Control Sample	Total/NA	Solid	8021B	91229
LCSD 880-91229/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91229
880-48707-41 MS	BG-21 (2')	Total/NA	Solid	8021B	91229
880-48707-41 MSD	BG-21 (2')	Total/NA	Solid	8021B	91229

## **Analysis Batch: 91280**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-21	BG-11 (2')	Total/NA	Solid	8021B	91228
880-48707-22	BG-12 (0-1')	Total/NA	Solid	8021B	91228
880-48707-23	BG-12 (2')	Total/NA	Solid	8021B	91228
880-48707-24	BG-13 (0-1')	Total/NA	Solid	8021B	91228
880-48707-25	BG-13 (2')	Total/NA	Solid	8021B	91228
880-48707-26	BG-14 (0-1')	Total/NA	Solid	8021B	91228
880-48707-27	BG-14 (2')	Total/NA	Solid	8021B	91228

**Eurofins Midland** 

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Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

## **GC VOA (Continued)**

## **Analysis Batch: 91280 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-28	BG-15 (0-1')	Total/NA	Solid	8021B	91228
880-48707-29	BG-15 (2')	Total/NA	Solid	8021B	91228
880-48707-30	BG-16 (0-1')	Total/NA	Solid	8021B	91228
880-48707-31	BG-16 (2')	Total/NA	Solid	8021B	91228
880-48707-32	BG-17 (0-1')	Total/NA	Solid	8021B	91228
880-48707-33	BG-17 (2')	Total/NA	Solid	8021B	91228
880-48707-34	BG-18 (0-1')	Total/NA	Solid	8021B	91228
880-48707-35	BG-18 (2')	Total/NA	Solid	8021B	91228
880-48707-36	BG-19 (0-1')	Total/NA	Solid	8021B	91228
880-48707-37	BG-19 (2')	Total/NA	Solid	8021B	91228
880-48707-38	BG-20 (0-1')	Total/NA	Solid	8021B	91228
880-48707-39	BG-20 (2')	Total/NA	Solid	8021B	91228
880-48707-40	BG-21 (0-1')	Total/NA	Solid	8021B	91228
MB 880-91198/5-A	Method Blank	Total/NA	Solid	8021B	91198
MB 880-91228/5-A	Method Blank	Total/NA	Solid	8021B	91228
LCS 880-91228/1-A	Lab Control Sample	Total/NA	Solid	8021B	91228
LCSD 880-91228/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91228
880-48707-21 MS	BG-11 (2')	Total/NA	Solid	8021B	91228
880-48707-21 MSD	BG-11 (2')	Total/NA	Solid	8021B	91228

#### Prep Batch: 91286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91286/5-A	Method Blank	Total/NA	Solid	5035	

#### **Analysis Batch: 91420**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	8021B	91227
880-48707-2	BG-1 (2')	Total/NA	Solid	8021B	91227
880-48707-3	BG-2 (0-1')	Total/NA	Solid	8021B	91227
880-48707-4	BG-2 (2')	Total/NA	Solid	8021B	91227
880-48707-5	BG-3 (0-1')	Total/NA	Solid	8021B	91227
880-48707-6	BG-3 (2')	Total/NA	Solid	8021B	91227
880-48707-7	BG-4 (0-1')	Total/NA	Solid	8021B	91227
880-48707-8	BG-4 (2')	Total/NA	Solid	8021B	91227
880-48707-9	BG-5 (0-1')	Total/NA	Solid	8021B	91227
880-48707-10	BG-6 (0-1')	Total/NA	Solid	8021B	91227
880-48707-11	BG-6 (2')	Total/NA	Solid	8021B	91227
880-48707-12	BG-7 (0-1')	Total/NA	Solid	8021B	91227
880-48707-13	BG-7 (2')	Total/NA	Solid	8021B	91227
880-48707-14	BG-8 (0-1')	Total/NA	Solid	8021B	91227
880-48707-15	BG-8 (2')	Total/NA	Solid	8021B	91227
880-48707-16	BG-9 (0-1')	Total/NA	Solid	8021B	91227
880-48707-17	BG-9 (2')	Total/NA	Solid	8021B	91227
880-48707-18	BG-10 (0-1')	Total/NA	Solid	8021B	91227
880-48707-19	BG-10 (2')	Total/NA	Solid	8021B	91227
880-48707-20	BG-11 (0-1')	Total/NA	Solid	8021B	91227
MB 880-91227/5-A	Method Blank	Total/NA	Solid	8021B	91227
LCS 880-91227/1-A	Lab Control Sample	Total/NA	Solid	8021B	91227
LCSD 880-91227/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91227
880-48707-1 MS	BG-1 (0-1')	Total/NA	Solid	8021B	91227
880-48707-1 MSD	BG-1 (0-1')	Total/NA	Solid	8021B	91227

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Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

### **GC VOA**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-48707-1	BG-1 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-2	BG-1 (2')	Total/NA	Solid	Total BTEX	
880-48707-3	BG-2 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-4	BG-2 (2')	Total/NA	Solid	Total BTEX	
880-48707-5	BG-3 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-6	BG-3 (2')	Total/NA	Solid	Total BTEX	
880-48707-7	BG-4 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-8	BG-4 (2')	Total/NA	Solid	Total BTEX	
880-48707-9	BG-5 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-10	BG-6 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-11	BG-6 (2')	Total/NA	Solid	Total BTEX	
880-48707-12	BG-7 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-13	BG-7 (2')	Total/NA	Solid	Total BTEX	
880-48707-14	BG-8 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-15	BG-8 (2')	Total/NA	Solid	Total BTEX	
880-48707-16	BG-9 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-17	BG-9 (2')	Total/NA	Solid	Total BTEX	
880-48707-18	BG-10 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-19	BG-10 (2')	Total/NA	Solid	Total BTEX	
880-48707-20	BG-11 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-21	BG-11 (2')	Total/NA	Solid	Total BTEX	
880-48707-22	BG-12 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-23	BG-12 (2')	Total/NA	Solid	Total BTEX	
880-48707-24	BG-13 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-25	BG-13 (2')	Total/NA	Solid	Total BTEX	
880-48707-26	BG-14 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-27	BG-14 (2')	Total/NA	Solid	Total BTEX	
880-48707-28	BG-15 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-29	BG-15 (2')	Total/NA	Solid	Total BTEX	
880-48707-30	BG-16 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-31	BG-16 (2')	Total/NA	Solid	Total BTEX	
880-48707-32	BG-17 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-33	BG-17 (2')	Total/NA	Solid	Total BTEX	
880-48707-34	BG-18 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-35	BG-18 (2')	Total/NA	Solid	Total BTEX	
880-48707-36	BG-19 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-37	BG-19 (2')	Total/NA	Solid	Total BTEX	
880-48707-38	BG-20 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-39	BG-20 (2')	Total/NA	Solid	Total BTEX	
880-48707-40	BG-21 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-41	BG-21 (2')	Total/NA	Solid	Total BTEX	
880-48707-42	BG-22 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-43	BG-22 (2')	Total/NA	Solid	Total BTEX	
880-48707-44	BG-23 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-45	BG-23 (2')	Total/NA	Solid	Total BTEX	
880-48707-46	BG-24 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-47	BG-24 (2')	Total/NA	Solid	Total BTEX	
880-48707-48	BG-25 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-49	BG-25 (0-1)	Total/NA	Solid	Total BTEX	

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

## GC Semi VOA

### Prep Batch: 91409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Total/NA	Solid	8015NM Prep	
880-48707-42	BG-22 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-43	BG-22 (2')	Total/NA	Solid	8015NM Prep	
880-48707-44	BG-23 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-45	BG-23 (2')	Total/NA	Solid	8015NM Prep	
880-48707-46	BG-24 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-47	BG-24 (2')	Total/NA	Solid	8015NM Prep	
880-48707-48	BG-25 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-49	BG-25 (2')	Total/NA	Solid	8015NM Prep	
MB 880-91409/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91409/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91409/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48608-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-48608-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

### Prep Batch: 91411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-2	BG-1 (2')	Total/NA	Solid	8015NM Prep	
880-48707-3	BG-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-4	BG-2 (2')	Total/NA	Solid	8015NM Prep	
880-48707-5	BG-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-6	BG-3 (2')	Total/NA	Solid	8015NM Prep	
880-48707-7	BG-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-8	BG-4 (2')	Total/NA	Solid	8015NM Prep	
880-48707-9	BG-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-10	BG-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-11	BG-6 (2')	Total/NA	Solid	8015NM Prep	
880-48707-12	BG-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-13	BG-7 (2')	Total/NA	Solid	8015NM Prep	
880-48707-14	BG-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-15	BG-8 (2')	Total/NA	Solid	8015NM Prep	
880-48707-16	BG-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-17	BG-9 (2')	Total/NA	Solid	8015NM Prep	
880-48707-18	BG-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-19	BG-10 (2')	Total/NA	Solid	8015NM Prep	
880-48707-20	BG-11 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-91411/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91411/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91411/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48707-1 MS	BG-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-1 MSD	BG-1 (0-1')	Total/NA	Solid	8015NM Prep	

### Prep Batch: 91412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-21	BG-11 (2')	Total/NA	Solid	8015NM Prep	
880-48707-22	BG-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-23	BG-12 (2')	Total/NA	Solid	8015NM Prep	
880-48707-24	BG-13 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-25	BG-13 (2')	Total/NA	Solid	8015NM Prep	
880-48707-26	BG-14 (0-1')	Total/NA	Solid	8015NM Prep	

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Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 91412 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-27	BG-14 (2')	Total/NA	Solid	8015NM Prep	
880-48707-28	BG-15 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-29	BG-15 (2')	Total/NA	Solid	8015NM Prep	
880-48707-30	BG-16 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-31	BG-16 (2')	Total/NA	Solid	8015NM Prep	
880-48707-32	BG-17 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-33	BG-17 (2')	Total/NA	Solid	8015NM Prep	
880-48707-34	BG-18 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-35	BG-18 (2')	Total/NA	Solid	8015NM Prep	
880-48707-36	BG-19 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-37	BG-19 (2')	Total/NA	Solid	8015NM Prep	
880-48707-38	BG-20 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-39	BG-20 (2')	Total/NA	Solid	8015NM Prep	
880-48707-40	BG-21 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-91412/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91412/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91412/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48707-21 MS	BG-11 (2')	Total/NA	Solid	8015NM Prep	
880-48707-21 MSD	BG-11 (2')	Total/NA	Solid	8015NM Prep	

### Analysis Batch: 91414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Total/NA	Solid	8015B NM	91409
880-48707-42	BG-22 (0-1')	Total/NA	Solid	8015B NM	91409
880-48707-43	BG-22 (2')	Total/NA	Solid	8015B NM	91409
880-48707-44	BG-23 (0-1')	Total/NA	Solid	8015B NM	91409
880-48707-45	BG-23 (2')	Total/NA	Solid	8015B NM	91409
880-48707-46	BG-24 (0-1')	Total/NA	Solid	8015B NM	91409
880-48707-47	BG-24 (2')	Total/NA	Solid	8015B NM	91409
880-48707-48	BG-25 (0-1')	Total/NA	Solid	8015B NM	91409
880-48707-49	BG-25 (2')	Total/NA	Solid	8015B NM	91409
MB 880-91409/1-A	Method Blank	Total/NA	Solid	8015B NM	91409
LCS 880-91409/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91409
LCSD 880-91409/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91409
880-48608-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	91409
880-48608-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	91409

### Analysis Batch: 91416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-2	BG-1 (2')	Total/NA	Solid	8015B NM	91411
880-48707-3	BG-2 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-4	BG-2 (2')	Total/NA	Solid	8015B NM	91411
880-48707-5	BG-3 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-6	BG-3 (2')	Total/NA	Solid	8015B NM	91411
880-48707-7	BG-4 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-8	BG-4 (2')	Total/NA	Solid	8015B NM	91411
880-48707-9	BG-5 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-10	BG-6 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-11	BG-6 (2')	Total/NA	Solid	8015B NM	91411
880-48707-12	BG-7 (0-1')	Total/NA	Solid	8015B NM	91411

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Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

## GC Semi VOA (Continued)

## **Analysis Batch: 91416 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-48707-13	BG-7 (2')	Total/NA	Solid	8015B NM	9141
880-48707-14	BG-8 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-15	BG-8 (2')	Total/NA	Solid	8015B NM	9141
880-48707-16	BG-9 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-17	BG-9 (2')	Total/NA	Solid	8015B NM	9141
880-48707-18	BG-10 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-19	BG-10 (2')	Total/NA	Solid	8015B NM	9141
880-48707-20	BG-11 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-21	BG-11 (2')	Total/NA	Solid	8015B NM	9141
880-48707-22	BG-12 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-23	BG-12 (2')	Total/NA	Solid	8015B NM	9141
880-48707-24	BG-13 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-25	BG-13 (2')	Total/NA	Solid	8015B NM	9141
880-48707-26	BG-14 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-27	BG-14 (2')	Total/NA	Solid	8015B NM	9141
880-48707-28	BG-15 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-29	BG-15 (2')	Total/NA	Solid	8015B NM	9141
880-48707-30	BG-16 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-31	BG-16 (2')	Total/NA	Solid	8015B NM	9141
880-48707-32	BG-17 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-33	BG-17 (2')	Total/NA	Solid	8015B NM	9141
880-48707-34	BG-18 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-35	BG-18 (2')	Total/NA	Solid	8015B NM	9141
880-48707-36	BG-19 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-37	BG-19 (2')	Total/NA	Solid	8015B NM	9141
880-48707-38	BG-20 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-39	BG-20 (2')	Total/NA	Solid	8015B NM	9141
880-48707-40	BG-21 (0-1')	Total/NA	Solid	8015B NM	9141
MB 880-91411/1-A	Method Blank	Total/NA	Solid	8015B NM	9141
MB 880-91412/1-A	Method Blank	Total/NA	Solid	8015B NM	9141
LCS 880-91411/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9141
LCS 880-91412/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9141
LCSD 880-91411/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9141
LCSD 880-91412/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9141
880-48707-1 MS	BG-1 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-1 MSD	BG-1 (0-1')	Total/NA	Solid	8015B NM	9141
880-48707-21 MS	BG-11 (2')	Total/NA	Solid	8015B NM	9141
880-48707-21 MSD	BG-11 (2')	Total/NA	Solid	8015B NM	9141

#### **Analysis Batch: 91543**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	8015 NM	
880-48707-2	BG-1 (2')	Total/NA	Solid	8015 NM	
880-48707-3	BG-2 (0-1')	Total/NA	Solid	8015 NM	
880-48707-4	BG-2 (2')	Total/NA	Solid	8015 NM	
880-48707-5	BG-3 (0-1')	Total/NA	Solid	8015 NM	
880-48707-6	BG-3 (2')	Total/NA	Solid	8015 NM	
880-48707-7	BG-4 (0-1')	Total/NA	Solid	8015 NM	
880-48707-8	BG-4 (2')	Total/NA	Solid	8015 NM	
880-48707-9	BG-5 (0-1')	Total/NA	Solid	8015 NM	
880-48707-10	BG-6 (0-1')	Total/NA	Solid	8015 NM	

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 91543 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-11	BG-6 (2')	Total/NA	Solid	8015 NM	
880-48707-12	BG-7 (0-1')	Total/NA	Solid	8015 NM	
880-48707-13	BG-7 (2')	Total/NA	Solid	8015 NM	
880-48707-14	BG-8 (0-1')	Total/NA	Solid	8015 NM	
880-48707-15	BG-8 (2')	Total/NA	Solid	8015 NM	
880-48707-16	BG-9 (0-1')	Total/NA	Solid	8015 NM	
880-48707-17	BG-9 (2')	Total/NA	Solid	8015 NM	
880-48707-18	BG-10 (0-1')	Total/NA	Solid	8015 NM	
880-48707-19	BG-10 (2')	Total/NA	Solid	8015 NM	
880-48707-20	BG-11 (0-1')	Total/NA	Solid	8015 NM	
880-48707-21	BG-11 (2')	Total/NA	Solid	8015 NM	
880-48707-22	BG-12 (0-1')	Total/NA	Solid	8015 NM	
880-48707-23	BG-12 (2')	Total/NA	Solid	8015 NM	
880-48707-24	BG-13 (0-1')	Total/NA	Solid	8015 NM	
880-48707-25	BG-13 (2')	Total/NA	Solid	8015 NM	
880-48707-26	BG-14 (0-1')	Total/NA	Solid	8015 NM	
880-48707-27	BG-14 (2')	Total/NA	Solid	8015 NM	
880-48707-28	BG-15 (0-1')	Total/NA	Solid	8015 NM	
880-48707-29	BG-15 (2')	Total/NA	Solid	8015 NM	
880-48707-30	BG-16 (0-1')	Total/NA	Solid	8015 NM	
880-48707-31	BG-16 (2')	Total/NA	Solid	8015 NM	
880-48707-32	BG-17 (0-1')	Total/NA	Solid	8015 NM	
880-48707-33	BG-17 (2')	Total/NA	Solid	8015 NM	
880-48707-34	BG-18 (0-1')	Total/NA	Solid	8015 NM	
880-48707-35	BG-18 (2')	Total/NA	Solid	8015 NM	
880-48707-36	BG-19 (0-1')	Total/NA	Solid	8015 NM	
880-48707-37	BG-19 (2')	Total/NA	Solid	8015 NM	
880-48707-38	BG-20 (0-1')	Total/NA	Solid	8015 NM	
880-48707-39	BG-20 (2')	Total/NA	Solid	8015 NM	
880-48707-40	BG-21 (0-1')	Total/NA	Solid	8015 NM	
880-48707-41	BG-21 (2')	Total/NA	Solid	8015 NM	
880-48707-42	BG-22 (0-1')	Total/NA	Solid	8015 NM	
880-48707-43	BG-22 (2')	Total/NA	Solid	8015 NM	
880-48707-44	BG-23 (0-1')	Total/NA	Solid	8015 NM	
880-48707-45	BG-23 (2')	Total/NA	Solid	8015 NM	
880-48707-46	BG-24 (0-1')	Total/NA	Solid	8015 NM	
880-48707-47	BG-24 (2')	Total/NA	Solid	8015 NM	
880-48707-48	BG-25 (0-1')	Total/NA	Solid	8015 NM	
880-48707-49	BG-25 (2')	Total/NA	Solid	8015 NM	

### HPLC/IC

#### Leach Batch: 91283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Soluble	Solid	DI Leach	
880-48707-2	BG-1 (2')	Soluble	Solid	DI Leach	
880-48707-3	BG-2 (0-1')	Soluble	Solid	DI Leach	
880-48707-4	BG-2 (2')	Soluble	Solid	DI Leach	
880-48707-5	BG-3 (0-1')	Soluble	Solid	DI Leach	
880-48707-6	BG-3 (2')	Soluble	Solid	DI Leach	
880-48707-7	BG-4 (0-1')	Soluble	Solid	DI Leach	

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

**HPLC/IC** (Continued)

### Leach Batch: 91283 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-8	BG-4 (2')	Soluble	Solid	DI Leach	
880-48707-9	BG-5 (0-1')	Soluble	Solid	DI Leach	
880-48707-10	BG-6 (0-1')	Soluble	Solid	DI Leach	
880-48707-11	BG-6 (2')	Soluble	Solid	DI Leach	
880-48707-12	BG-7 (0-1')	Soluble	Solid	DI Leach	
880-48707-13	BG-7 (2')	Soluble	Solid	DI Leach	
880-48707-14	BG-8 (0-1')	Soluble	Solid	DI Leach	
880-48707-15	BG-8 (2')	Soluble	Solid	DI Leach	
MB 880-91283/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91283/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91283/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48707-6 MS	BG-3 (2')	Soluble	Solid	DI Leach	
880-48707-6 MSD	BG-3 (2')	Soluble	Solid	DI Leach	

#### Leach Batch: 91284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-16	BG-9 (0-1')	Soluble	Solid	DI Leach	
880-48707-17	BG-9 (2')	Soluble	Solid	DI Leach	
880-48707-18	BG-10 (0-1')	Soluble	Solid	DI Leach	
880-48707-19	BG-10 (2')	Soluble	Solid	DI Leach	
880-48707-20	BG-11 (0-1')	Soluble	Solid	DI Leach	
880-48707-21	BG-11 (2')	Soluble	Solid	DI Leach	
880-48707-22	BG-12 (0-1')	Soluble	Solid	DI Leach	
880-48707-23	BG-12 (2')	Soluble	Solid	DI Leach	
880-48707-24	BG-13 (0-1')	Soluble	Solid	DI Leach	
880-48707-25	BG-13 (2')	Soluble	Solid	DI Leach	
880-48707-26	BG-14 (0-1')	Soluble	Solid	DI Leach	
880-48707-27	BG-14 (2')	Soluble	Solid	DI Leach	
880-48707-28	BG-15 (0-1')	Soluble	Solid	DI Leach	
880-48707-29	BG-15 (2')	Soluble	Solid	DI Leach	
880-48707-30	BG-16 (0-1')	Soluble	Solid	DI Leach	
880-48707-31	BG-16 (2')	Soluble	Solid	DI Leach	
880-48707-32	BG-17 (0-1')	Soluble	Solid	DI Leach	
880-48707-33	BG-17 (2')	Soluble	Solid	DI Leach	
880-48707-34	BG-18 (0-1')	Soluble	Solid	DI Leach	
880-48707-35	BG-18 (2')	Soluble	Solid	DI Leach	
MB 880-91284/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91284/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91284/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48707-16 MS	BG-9 (0-1')	Soluble	Solid	DI Leach	
880-48707-16 MSD	BG-9 (0-1')	Soluble	Solid	DI Leach	
880-48707-26 MS	BG-14 (0-1')	Soluble	Solid	DI Leach	
880-48707-26 MSD	BG-14 (0-1')	Soluble	Solid	DI Leach	

#### Leach Batch: 91285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-36	BG-19 (0-1')	Soluble	Solid	DI Leach	
880-48707-37	BG-19 (2')	Soluble	Solid	DI Leach	
880-48707-38	BG-20 (0-1')	Soluble	Solid	DI Leach	
880-48707-39	BG-20 (2')	Soluble	Solid	DI Leach	
880-48707-40	BG-21 (0-1')	Soluble	Solid	DI Leach	

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# **HPLC/IC** (Continued)

### Leach Batch: 91285 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Soluble	Solid	DI Leach	
880-48707-42	BG-22 (0-1')	Soluble	Solid	DI Leach	
880-48707-43	BG-22 (2')	Soluble	Solid	DI Leach	
880-48707-44	BG-23 (0-1')	Soluble	Solid	DI Leach	
880-48707-45	BG-23 (2')	Soluble	Solid	DI Leach	
880-48707-46	BG-24 (0-1')	Soluble	Solid	DI Leach	
880-48707-47	BG-24 (2')	Soluble	Solid	DI Leach	
880-48707-48	BG-25 (0-1')	Soluble	Solid	DI Leach	
880-48707-49	BG-25 (2')	Soluble	Solid	DI Leach	
MB 880-91285/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91285/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91285/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48707-36 MS	BG-19 (0-1')	Soluble	Solid	DI Leach	
880-48707-36 MSD	BG-19 (0-1')	Soluble	Solid	DI Leach	
880-48707-46 MS	BG-24 (0-1')	Soluble	Solid	DI Leach	
880-48707-46 MSD	BG-24 (0-1')	Soluble	Solid	DI Leach	

### Analysis Batch: 91312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Soluble	Solid	300.0	91283
880-48707-2	BG-1 (2')	Soluble	Solid	300.0	91283
880-48707-3	BG-2 (0-1')	Soluble	Solid	300.0	91283
880-48707-4	BG-2 (2')	Soluble	Solid	300.0	91283
880-48707-5	BG-3 (0-1')	Soluble	Solid	300.0	91283
880-48707-6	BG-3 (2')	Soluble	Solid	300.0	91283
880-48707-7	BG-4 (0-1')	Soluble	Solid	300.0	91283
880-48707-8	BG-4 (2')	Soluble	Solid	300.0	91283
880-48707-9	BG-5 (0-1')	Soluble	Solid	300.0	91283
880-48707-10	BG-6 (0-1')	Soluble	Solid	300.0	91283
880-48707-11	BG-6 (2')	Soluble	Solid	300.0	91283
880-48707-12	BG-7 (0-1')	Soluble	Solid	300.0	91283
880-48707-13	BG-7 (2')	Soluble	Solid	300.0	91283
880-48707-14	BG-8 (0-1')	Soluble	Solid	300.0	91283
880-48707-15	BG-8 (2')	Soluble	Solid	300.0	91283
MB 880-91283/1-A	Method Blank	Soluble	Solid	300.0	91283
LCS 880-91283/2-A	Lab Control Sample	Soluble	Solid	300.0	91283
LCSD 880-91283/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91283
880-48707-6 MS	BG-3 (2')	Soluble	Solid	300.0	91283
880-48707-6 MSD	BG-3 (2')	Soluble	Solid	300.0	91283

### **Analysis Batch: 91328**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-16	BG-9 (0-1')	Soluble	Solid	300.0	91284
880-48707-17	BG-9 (2')	Soluble	Solid	300.0	91284
880-48707-18	BG-10 (0-1')	Soluble	Solid	300.0	91284
880-48707-19	BG-10 (2')	Soluble	Solid	300.0	91284
880-48707-20	BG-11 (0-1')	Soluble	Solid	300.0	91284
880-48707-21	BG-11 (2')	Soluble	Solid	300.0	91284
880-48707-22	BG-12 (0-1')	Soluble	Solid	300.0	91284
880-48707-23	BG-12 (2')	Soluble	Solid	300.0	91284
880-48707-24	BG-13 (0-1')	Soluble	Solid	300.0	91284

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# **HPLC/IC** (Continued)

## **Analysis Batch: 91328 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-25	BG-13 (2')	Soluble	Solid	300.0	91284
880-48707-26	BG-14 (0-1')	Soluble	Solid	300.0	91284
880-48707-27	BG-14 (2')	Soluble	Solid	300.0	91284
880-48707-28	BG-15 (0-1')	Soluble	Solid	300.0	91284
880-48707-29	BG-15 (2')	Soluble	Solid	300.0	91284
880-48707-30	BG-16 (0-1')	Soluble	Solid	300.0	91284
880-48707-31	BG-16 (2')	Soluble	Solid	300.0	91284
880-48707-32	BG-17 (0-1')	Soluble	Solid	300.0	91284
880-48707-33	BG-17 (2')	Soluble	Solid	300.0	91284
880-48707-34	BG-18 (0-1')	Soluble	Solid	300.0	91284
880-48707-35	BG-18 (2')	Soluble	Solid	300.0	91284
MB 880-91284/1-A	Method Blank	Soluble	Solid	300.0	91284
LCS 880-91284/2-A	Lab Control Sample	Soluble	Solid	300.0	91284
LCSD 880-91284/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91284
880-48707-16 MS	BG-9 (0-1')	Soluble	Solid	300.0	91284
880-48707-16 MSD	BG-9 (0-1')	Soluble	Solid	300.0	91284
880-48707-26 MS	BG-14 (0-1')	Soluble	Solid	300.0	91284
880-48707-26 MSD	BG-14 (0-1')	Soluble	Solid	300.0	91284

#### Analysis Batch: 91341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-36	BG-19 (0-1')	Soluble	Solid	300.0	91285
880-48707-37	BG-19 (2')	Soluble	Solid	300.0	91285
880-48707-38	BG-20 (0-1')	Soluble	Solid	300.0	91285
880-48707-39	BG-20 (2')	Soluble	Solid	300.0	91285
880-48707-40	BG-21 (0-1')	Soluble	Solid	300.0	91285
880-48707-41	BG-21 (2')	Soluble	Solid	300.0	91285
880-48707-42	BG-22 (0-1')	Soluble	Solid	300.0	91285
880-48707-43	BG-22 (2')	Soluble	Solid	300.0	91285
880-48707-44	BG-23 (0-1')	Soluble	Solid	300.0	91285
880-48707-45	BG-23 (2')	Soluble	Solid	300.0	91285
880-48707-46	BG-24 (0-1')	Soluble	Solid	300.0	91285
880-48707-47	BG-24 (2')	Soluble	Solid	300.0	91285
880-48707-48	BG-25 (0-1')	Soluble	Solid	300.0	91285
880-48707-49	BG-25 (2')	Soluble	Solid	300.0	91285
MB 880-91285/1-A	Method Blank	Soluble	Solid	300.0	91285
LCS 880-91285/2-A	Lab Control Sample	Soluble	Solid	300.0	91285
LCSD 880-91285/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91285
880-48707-36 MS	BG-19 (0-1')	Soluble	Solid	300.0	91285
880-48707-36 MSD	BG-19 (0-1')	Soluble	Solid	300.0	91285
880-48707-46 MS	BG-24 (0-1')	Soluble	Solid	300.0	91285
880-48707-46 MSD	BG-24 (0-1')	Soluble	Solid	300.0	91285

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SDG: Eddy County. New Mexico

Client Sample ID: BG-1 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 16:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 16:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 09:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 09:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 17:42	CH	EET MID

Lab Sample ID: 880-48707-2

Matrix: Solid

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Client Sample ID: BG-1 (2')

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 91227 Total/NA 4.99 g 5 mL 09/19/24 13:42 MNR EET MID Total/NA 8021B 5 mL 09/22/24 16:53 **EET MID** Analysis 1 5 mL 91420 MNR Total/NA Total BTEX 91472 09/22/24 16:53 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 91543 09/22/24 10:23 SM **EET MID** Total/NA 91411 Prep 8015NM Prep 9.90 g 10 mL 09/21/24 17:33 TKC EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 91416 09/22/24 10:23 SM **EET MID** Soluble Leach DI Leach 5.00 g 50 mL 91283 09/20/24 09:06 SA **EET MID** Soluble Analysis 300.0 10 50 mL 50 mL 91312 09/20/24 17:47 СН **EET MID** 

Client Sample ID: BG-2 (0-1')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-3

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 17:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 10:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 10:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 17:53	CH	EET MID

Client Sample ID: BG-2 (2')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample ID:	880-48707-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 17:34	SM	EET MID

Client: Carmona Resources

Project/Site: Spill #2

Job ID: 880-48707-1 SDG: Eddy County. New Mexico

Lab Sample ID: 880-48707-4

Matrix: Solid

Client Sample ID: BG-2 (2') Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91543	09/22/24 11:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 11:01	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 17:58	CH	EET MID

Client Sample ID: BG-3 (0-1') Lab Sample ID: 880-48707-5 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 17:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 11:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:04	CH	EET MID

Client Sample ID: BG-3 (2') Lab Sample ID: 880-48707-6 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 18:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 11:40	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:09	CH	EET MID

Client Sample ID: BG-4 (0-1') Lab Sample ID: 880-48707-7

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 18:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 12:00	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.07 g 1 uL	10 mL 1 uL	91411 91416	09/21/24 17:33 09/22/24 12:00	TKC SM	EET MID EET MID

**Eurofins Midland** 

**Matrix: Solid** 

### Lab Chronicle

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-4 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-7

Matrix: Solid

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:25	CH	EET MID

Client Sample ID: BG-4 (2') Lab Sample ID: 880-48707-8

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 18:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 12:19	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:30	CH	EET MID

Client Sample ID: BG-5 (0-1') Lab Sample ID: 880-48707-9

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 19:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 12:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 12:40	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:47	CH	EET MID

Client Sample ID: BG-6 (0-1') Lab Sample ID: 880-48707-10

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 19:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 12:58	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91312	09/20/24 18:52	CH	EET MID

**Eurofins Midland** 

**Matrix: Solid** 

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

Client Sample ID: BG-6 (2')

Lab Sample ID: 880-48707-11

Matrix: Solid

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 21:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 21:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 13:36	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91312	09/20/24 18:57	CH	EET MID

Client Sample ID: BG-7 (0-1')

Lab Sample ID: 880-48707-12

Matrix: Solid

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 21:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 21:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 13:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 13:55	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	91312	09/20/24 19:03	CH	EET MID

Client Sample ID: BG-7 (2')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-13

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 22:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 22:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 14:15	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 19:08	CH	EET MID

Client Sample ID: BG-8 (0-1')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab S	Sample ID	: 880-48707-14
		Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 22:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 22:28	SM	EET MID

**Eurofins Midland** 

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### **Lab Chronicle**

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: BG-8 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48707-14

Matrix: Solid

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91543	09/22/24 14:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 14:33	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91312	09/20/24 19:14	CH	EET MID

Client Sample ID: BG-8 (2') Lab Sample ID: 880-48707-15

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab Total/NA 5035 Prep 5.01 g 5 mL 91227 09/19/24 13:42 MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 91420 09/22/24 22:48 MNR EET MID 1 Total/NA Total BTEX Analysis 1 91472 09/22/24 22:48 SM **EET MID** Total/NA Analysis 8015 NM 91543 09/22/24 14:53 SM EET MID Total/NA Prep 8015NM Prep 9.92 g 10 mL 91411 09/21/24 17:33 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 91416 09/22/24 14:53 SM **EET MID** 1 uL Soluble Leach DI Leach 5.02 g 50 mL 91283 09/20/24 09:06 SA **EET MID** Soluble Analysis 300.0 10 50 mL 50 mL 91312 09/20/24 19:19 СН **EET MID** 

Client Sample ID: BG-9 (0-1')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-16

Matrix: Solid

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 23:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 23:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 15:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 15:11	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91328	09/20/24 22:03	CH	EET MID

Client Sample ID: BG-9 (2')

Lab Sample ID: 880-48707-17

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 23:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 15:32	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.97 g 1 uL	10 mL 1 uL	91411 91416	09/21/24 17:33 09/22/24 15:32	TKC SM	EET MID EET MID

**Eurofins Midland** 

**Matrix: Solid** 

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2

3

5

7

9

10

16

14

Client Sample ID: BG-9 (2')
Date Collected: 09/13/24 00:00

300.0

Analysis

Date Received: 09/19/24 11:40

Soluble

### **Lab Chronicle**

Client: Carmona Resources
Project/Site: Spill #2
SDG: Edd

Job ID: 880-48707-1 SDG: Eddy County. New Mexico

SDG: Eddy County. New Mexico

Lab Sample ID: 880-48707-17

CH

09/20/24 22:29

91328

50 mL

Matrix: Solid

**EET MID** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	91284	09/20/24 09:09	SA	EET MID

Client Sample ID: BG-10 (0-1')

Lab Sample ID: 880-48707-18

50 mL

Matrix: Solid

Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 23:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 23:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 15:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 15:51	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91328	09/23/24 12:59	CH	EET MID

Client Sample ID: BG-10 (2')

Lab Sample ID: 880-48707-19

Date Collected: 09/13/24 00:00 Matrix: Solid

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/23/24 00:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/23/24 00:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 16:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 16:11	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91328	09/20/24 22:47	CH	EET MID

Client Sample ID: BG-11 (0-1')

Lab Sample ID: 880-48707-20

Date Collected: 09/13/24 00:00 Matrix: Solid
Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/23/24 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/23/24 00:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 16:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 16:30	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	91328	09/20/24 22:55	CH	EET MID

Job ID: 880-48707-1 SDG: Eddy County. New Mexico

Client Sample ID: BG-11 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-21

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/20/24 23:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 23:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 18:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 18:07	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	91328	09/20/24 23:22	CH	EET MID

Client Sample ID: BG-12 (0-1') Lab Sample ID: 880-48707-22

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/20/24 23:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 23:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 19:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 19:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91328	09/20/24 23:30	CH	EET MID

Client Sample ID: BG-12 (2') Lab Sample ID: 880-48707-23 **Matrix: Solid** 

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 00:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 00:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 19:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 19:23	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	91284	09/20/24 09:09	SA	EET MIC
Soluble	Analysis	300.0		20	50 mL	50 mL	91328	09/20/24 23:39	CH	EET MID

Client Sample ID: BG-13 (0-1') Lab Sample ID: 880-48707-24

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 00:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 00:29	SM	EET MID

**Eurofins Midland** 

**Matrix: Solid** 

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Job ID: 880-48707-1

Project/Site: Spill #2 SDG: Eddy County. New Mexico

Lab Sample ID: 880-48707-24

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Client Sample ID: BG-13 (0-1')

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91543	09/22/24 19:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 19:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	91328	09/20/24 23:48	CH	EET MID

Lab Sample ID: 880-48707-25

Client Sample ID: BG-13 (2') Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab Total/NA 5035 Prep 5.03 g 5 mL 91228 09/19/24 13:45 MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 91280 09/21/24 00:50 MNR EET MID 1 Total/NA Total BTEX **EET MID** Analysis 1 91472 09/21/24 00:50 SM Total/NA Analysis 8015 NM 91543 09/22/24 20:03 SM **EET MID** 1 Total/NA Prep 8015NM Prep 10.01 g 10 mL 91412 09/21/24 17:36 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 91416 09/22/24 20:03 SM **EET MID** 1 uL Soluble Leach DI Leach 5.03 g 50 mL 91284 09/20/24 09:09 SA **EET MID** Soluble Analysis 300.0 20 50 mL 50 mL 91328 09/20/24 23:57 СН **EET MID** 

Client Sample ID: BG-14 (0-1') Lab Sample ID: 880-48707-26 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 01:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 20:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 20:23	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91328	09/21/24 00:05	CH	EET MID

Client Sample ID: BG-14 (2') Lab Sample ID: 880-48707-27

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 20:42	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.98 g 1 uL	10 mL 1 uL	91412 91416	09/21/24 17:36 09/22/24 20:42	TKC SM	EET MID EET MID

**Eurofins Midland** 

Released to Imaging: 3/12/2025 4:38:15 PM

**Matrix: Solid** 

### Lab Chronicle

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-14 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-27

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91328	09/21/24 00:32	CH	EET MID

Client Sample ID: BG-15 (0-1') Lab Sample ID: 880-48707-28

Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 01:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 21:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 21:01	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 00:40	CH	EET MID

Client Sample ID: BG-15 (2') Lab Sample ID: 880-48707-29

Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 02:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 21:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 21:21	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:06	CH	EET MID

Client Sample ID: BG-16 (0-1') Lab Sample ID: 880-48707-30

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 02:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 02:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 21:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 21:40	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:15	CH	EET MID

**Eurofins Midland** 

**Matrix: Solid** 

Client: Carmona Resources

Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-16 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-31

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 03:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 03:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 22:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 22:19	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91328	09/21/24 01:24	CH	EET MID

Client Sample ID: BG-17 (0-1')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-32

Matrix: Solid

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 91228 Total/NA Prep 5.03 g 5 mL 09/19/24 13:45 MNR EET MID Total/NA 8021B 5 mL 91280 **EET MID** Analysis 1 5 mL 09/21/24 04:17 MNR Total/NA Total BTEX 91472 09/21/24 04:17 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 91543 09/22/24 22:38 SM **EET MID** Total/NA 91412 Prep 8015NM Prep 10.06 g 10 mL 09/21/24 17:36 TKC EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 91416 09/22/24 22:38 SM **EET MID** Soluble 91284 09/20/24 09:09 Leach DI Leach 4.96 g 50 mL SA **EET MID** Soluble Analysis 300.0 50 mL 50 mL 91328 09/21/24 01:33 СН **EET MID** 

Client Sample ID: BG-17 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-33

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 04:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 04:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 22:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 22:58	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:41	CH	EET MID

Client Sample ID: BG-18 (0-1')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample	ID: 880-48707-34	
	Matrix: Solid	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 04:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 04:59	SM	EET MID

Job ID: 880-48707-1

Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-18 (0-1')

Lab Sample ID: 880-48707-34

Date Collected: 09/13/24 00:00 Matrix: Solid Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 23:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:50	CH	EET MID

Client Sample ID: BG-18 (2') Lab Sample ID: 880-48707-35

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 05:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 05:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 23:36	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:59	CH	EET MID

Client Sample ID: BG-19 (0-1') Lab Sample ID: 880-48707-36 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 05:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 05:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 23:55	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 03:56	CH	EET MID

Client Sample ID: BG-19 (2') Lab Sample ID: 880-48707-37

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 06:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 06:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 00:14	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.90 g 1 uL	10 mL 1 uL	91412 91416	09/21/24 17:36 09/23/24 00:14	TKC SM	EET MID EET MID

**Eurofins Midland** 

**Matrix: Solid** 

**Matrix: Solid** 

Client: Carmona Resources

Project/Site: Spill #2

Job ID: 880-48707-1 SDG: Eddy County. New Mexico

Lab Sample ID: 880-48707-37

Client Sample ID: BG-19 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

**Matrix: Solid** 

Matrix: Solid

**EET MID** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 04:16	CH	EET MID

Client Sample ID: BG-20 (0-1') Lab Sample ID: 880-48707-38

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 5.02 g 91228 09/19/24 13:45 MNR EET MID Prep 5 mL Total/NA 8021B 5 mL 5 mL 91280 09/21/24 06:21 MNR Analysis 1 **EET MID** Total/NA Total BTEX 91472 09/21/24 06:21 Analysis SM **EET MID** 1 91543 Total/NA Analysis 8015 NM 09/23/24 00:33 SM **EET MID** 09/21/24 17:36 TKC EET MID Total/NA Prep 8015NM Prep 10.00 g 10 mL 91412 8015B NM 09/23/24 00:33 Total/NA Analysis 1 uL 1 uL 91416 SM **EET MID** Soluble DI Leach 4.95 g 50 mL 91285 09/20/24 09:12 SA **EET MID** Leach

Client Sample ID: BG-20 (2') Lab Sample ID: 880-48707-39

20

50 mL

91341

50 mL

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Soluble

Analysis

300.0

**Matrix: Solid** 

СН

09/21/24 04:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 06:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 06:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 00:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/23/24 00:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 04:29	CH	EET MID

Client Sample ID: BG-21 (0-1') Lab Sample ID: 880-48707-40

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 07:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 07:02	SM	EET MIC
Total/NA	Analysis	8015 NM		1			91543	09/23/24 01:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/23/24 01:13	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91285	09/20/24 09:12	SA	EET MIC
Soluble	Analysis	300.0		1	50 mL	50 mL	91341	09/21/24 04:36	CH	EET MID

**Eurofins Midland** 

**Matrix: Solid** 

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

Client Sample ID: BG-21 (2')

Lab Sample ID: 880-48707-41

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/20/24 22:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 22:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 22:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 22:38	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91341	09/21/24 04:56	CH	EET MID

Lab Sample ID: 880-48707-42

Date Collected: 09/13/24 00:00

Client Sample ID: BG-22 (0-1')

Matrix: Solid

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/20/24 23:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 23:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 22:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 22:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 05:02	CH	EET MID

Client Sample ID: BG-22 (2')

Lab Sample ID: 880-48707-43

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/20/24 23:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 23:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 23:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91341	09/21/24 05:09	CH	EET MID

Client Sample ID: BG-23 (0-1')

Lab Sample ID: 880-48707-44

Date Collected: 09/13/24 00:00

**Matrix: Solid** 

Date	Received:	09/19/24	11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/20/24 23:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 23:46	SM	EET MID

## **Lab Chronicle**

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 SDG: Eddy County. New Mexico

Client Sample ID: BG-23 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-44

Matrix: Solid

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 23:36	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 05:16	CH	EET MID

Client Sample ID: BG-23 (2') Lab Sample ID: 880-48707-45 Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 00:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 00:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 23:55	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 05:23	CH	EET MID

Client Sample ID: BG-24 (0-1') Lab Sample ID: 880-48707-46 Date Collected: 09/13/24 00:00 **Matrix: Solid** 

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 00:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 00:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 00:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/23/24 00:14	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 05:29	CH	EET MID

Lab Sample ID: 880-48707-47 Client Sample ID: BG-24 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 00:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 00:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 00:33	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.92 g 1 uL	10 mL 1 uL	91409 91414	09/21/24 17:28 09/23/24 00:33	TKC SM	EET MID EET MID

**Eurofins Midland** 

**Matrix: Solid** 

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## **Lab Chronicle**

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: BG-24 (2')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48707-47

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 05:49	CH	EET MID

Client Sample ID: BG-25 (0-1')

Lab Sample ID: 880-48707-48

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 01:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 00:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/23/24 00:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91341	09/21/24 05:56	CH	EET MID

Client Sample ID: BG-25 (2')

Lab Sample ID: 880-48707-49

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 01:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 01:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/23/24 01:13	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	91285	09/20/24 09:12	SA	EET MIC
Soluble	Analysis	300.0		1	50 mL	50 mL	91341	09/21/24 06:16	CH	EET MID

Laboratory References:

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

# **Accreditation/Certification Summary**

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

### **Laboratory: Eurofins Midland**

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELAI	P	T104704400	06-30-25
,	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

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## **Method Summary**

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48707-1 SDG: Eddy County. New Mexico

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

#### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

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

# **Sample Summary**

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48707-1 SDG: Eddy County. New Mexico

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48707-1	BG-1 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-2	BG-1 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-3	BG-2 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-4	BG-2 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-5	BG-3 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-6	BG-3 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-7	BG-4 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-8	BG-4 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-9	BG-5 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-10	BG-6 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-11	BG-6 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-12	BG-7 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-13	BG-7 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-14	BG-8 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-14	BG-8 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-16	BG-9 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-17	• •	Solid	09/13/24 00:00	09/19/24 11:40
	BG-9 (2')		09/13/24 00:00	
880-48707-18	BG-10 (0-1')	Solid		09/19/24 11:40
880-48707-19	BG-10 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-20	BG-11 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-21	BG-11 (2')	Solid	09/13/24 00:00	09/19/24 11:40
380-48707-22	BG-12 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-23	BG-12 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-24	BG-13 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-25	BG-13 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-26	BG-14 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
380-48707-27	BG-14 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-28	BG-15 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
380-48707-29	BG-15 (2')	Solid	09/13/24 00:00	09/19/24 11:40
380-48707-30	BG-16 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-31	BG-16 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-32	BG-17 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
380-48707-33	BG-17 (2')	Solid	09/13/24 00:00	09/19/24 11:40
380-48707-34	BG-18 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-35	BG-18 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-36	BG-19 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
380-48707-37	BG-19 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-38	BG-20 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
380-48707-39	BG-20 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-40	BG-21 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-41	BG-21 (2')	Solid	09/13/24 00:00	09/19/24 11:40
380-48707-42	BG-22 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-43	BG-22 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-44	BG-23 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-45	BG-23 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-46	BG-24 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-47	BG-24 (2')	Solid	09/13/24 00:00	09/19/24 11:40
		Solid	09/13/24 00:00	09/19/24 11:40
880-48707-48	BG-25 (0-1')			
880-48707-49	BG-25 (2')	Solid	09/13/24 00:00	09/19/24 11:40

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Company Name:         Carmona Resources         Company Name:           Address:         310 W Wall St Ste 500         Address:           City, State ZIP:         Midland, TX 79701           Phone:         432-701-5475	oany Name:		Program: UST/PST PRP Brownfleids PRC State of Prolect	wnfields RRC Uperfund
ate ZIP: Midland, TX 79701 Email:			State of Project:	
ate ZIP: Midland, TX 79701 Email:				
Email:	State ZIP:		Reporting:Level II Level III PST/UST	ST/UST   RRP   Level IV
	mona@carmonareso	urces.com	Deliverables: EDD 🗌 AD	ADaPT Other:
Project Name: Spill #2			ANALYSIS REQUEST	Preservative Codes
Ir: 2511	sh			None: NO DI Water: H <sub>2</sub> O
				Cool: Cool MeOH: Me
DD & PB		(оы		
	su su	W +		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
ова		ова		H <sub>3</sub> PO₄: HP
Thermometer ID.	X	+0		NaHSO4: NABIS
TEX (GR	, d	ชอ)		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
WS	2	WS		Zn Acetate+NaOH: Zn
Corrected Temperature:	~	108		NaOH+Ascorbic Acid: SAPC
Sample Identification Date Time Soll Water Comp Cont	Grab/ Comp	нат		Sample Comments
BG-1 (0-1) 9/13/2024 X X X	- 0	×		
BG-1(2') 9/13/2024 X X X	$\vdash$	×		
BG-2 (0-1') 9/13/2024 X X X	-	×		
BG-2 (2') 9/13/2024 X X X	-	×		
BG-3 (0-1) 9/13/2024 X X X		×		
BG-3 (2') 9/13/2024 X X X X	ص -	×		
BG-4 (0-1) 9/13/2024 X X X X		×		
BG-4 (2') 9/13/2024 X X X X X	G 1	×		
BG-5 (0-1') 9/13/2024 X X X X X	G 1	×		
BG-6 (0-1') 9/13/2024 X X X X	G 1	×		

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Note   Company Name   Camona Resources   Bill to: (if different)   Camona Resources   Company Name   Camona Resources   Camon	Bill to () () () () () () () () () () () () ()	Spill #12														ĭ	Page 2 of	مارم
State of Project:   Address:   Company Name:   Address:   Addres	Company Name:   Address:   Addr	Program: Ust Tiest   PRP   Drownfalds   PRC	omir	guez			Bill to: (if c	lifferent)	Ö	rmona F	esonices			그 ㄱ		Nork Order Comm	ents	
Vali St Ste 500	City, State 2   Project;   Project	City, State 2 Project   City, State 3 Project   City, State 3 Project   City, State 4 Project   City	na Re	sources			Company	Name:						7		PRP Brownflelds		
TX 79701	City, State 2 P:   City 2 P:   City 2 P:   City 2 P:   City 3 P:   City 3 P:   City 3 P:   City 3 P:   City 4	City, State 2iP:   City, Standard   City, City, Holds   City, Holds	Wall	St Ste 500			Address:							Sta	ite of Project:			
Spill #2	The first monage carmonage carmona	Note: No   Control   Con	d, TX	79701			City, Stat	S ZIP:						æ	porting:Level II   L	evel III DST/UST		
Spill #2	Preservation   Pres	Version   Preservatif   Pres	01-547	5		Email:	mcarmo	па@саги	onaresou	rces co.	E			<u>a</u>	liverables: EDD	] ADaPT □	Other:	
Eddy County, New Mexico   Due Date:   Standard   Stan	Rush   Pres.   October	Standard   Standard		Spill	#2	Turn	Around					1	NALYSIS	REQUES	T.	-	reservative Code	80
Eddy County, New Mexico         Due Date:         Standard         Fig. 10         PRICE (Cool)         Cool: Cool         Cool: Cool         Cool: Cool         Cool: Cool         Cool: Cool         Cool: Cool         HCL: HC         HCC:	Standard   Standard	Standard   Cool Cool Cool Cool Cool Cool Cool Co		251	1	✓ Routine	Rush		Pres. Code							None		H <sub>2</sub> 0
Temp Blank: Yes No Wet Ice: Yes No Fee No N/A Correction Factor:   Yes No N/A Temperature:   Soil Water Comp Cont   Yes No N/A Time Soil Water Comp Cont   Yes No N/A Time Soil Water Comp Cont   Yes No N/A Time Comp Cont   Yes No N/A Yes No N/A Time Comp Cont   Yes No N/A Yes No N/A Time Comp Cont   Yes No N/A Yes No N/A Yes No N/A Yes No N/A Time Comp Cont   Yes No N/A Yes No N/A Yes No N/A Time Comp Cont   Yes No N/A Yes No N/A Yes No N/A Yes No N/A Time Comp Cont   Yes No N/A Ye	Value   Valu	Mater   Gome   Water   Gome   Water   Gome   Parameters   Comp   Parameters   Comp   Parameters   Comp   Parameters   Comp   Comp   Parameters   Comp   Comp   Parameters   Comp   Comp   Parameters   Comp   Comp		Eddy County, I	New Mexico	Due Date:	Stan	dard		(						Cool:		•
Temp Blank: Yes No Wet Ice: Yes No Thermometer ID:	Value   Water   Conner   Water   Conner   Water   Conner   Conne	Vest   No   Water   Comp   Water   Comp		DD &	PB					ОЯМ						HCL		7 (
Yes         No         Thermometer ID:         Thermometer ID:         The mometer ID:         The mometer ID:         The mometer ID:         The material in the mometer ID:         The mometer ID:         The mometer ID:         The material in the mometer ID:         The mometer ID: <t< td=""><td>Conner Moehring / Cmoehring @ Carmonares our ces, com</td><td>  Water   Grab, # or   Comp   Comt   Comp   Comt   Param   Par</td><td>-</td><td>emp Blank:</td><td>Yes No</td><td>Wet Ice</td><td>Yes</td><td>2</td><td></td><td></td><td>0.0</td><td></td><td></td><td></td><td></td><td>S Od F</td><td></td><td>3</td></t<>	Conner Moehring / Cmoehring @ Carmonares our ces, com	Water   Grab, # or   Comp   Comt   Comp   Comt   Param   Par	-	emp Blank:	Yes No	Wet Ice	Yes	2			0.0					S Od F		3
Yes No N/A         Correction Factor:         Page 10 Mater         Corrected Temperature:         Corrected Temperature:         Corrected Temperature:         Corrected Temperature:         Corrected Temperature:         Page 10 Mater         Company Cont         Page 10 Mater         Company Cont         Company Cont         Con         Con         Con	Conner Moehring / Cmochring@carmonaresources.com	Water   Grab   Record   Continue   Continu		Yes No	Thermometer ID:					-	0£ 9					SHBN	O4: NABIS	
Yes No N/A         Temperature Reading:         Temperature Reading	Water   Grab/ # of Cont   Comp   Cont   Comp   Cont   Co	Water   Grab # or   TPH 8015M   Chi	Ye		Correction Factor:					-	pho					Na <sub>2</sub> S <sub>2</sub>	O3: NaSO3	
Corrected Temperature:   Date   Time   Soil   Water   Graph   # of   A	Water   Grab/ # of Cont   Comp   Cont   Comp   Cont   Comp   Cont   Co	Water   Grab # of   PPH 801	Ϋ́	ટ	Temperature Reading:						сы					Zn Ac	etate+NaOH: Zn	
Date         Time         Soil         Water Comp         Cont         A X X X         X         A X X X	Water         Graph         # of Comp         PF           G         1         X	Water   Grab # of Cont Cont Cont Cont Cont Cont Cont Cont			Corrected Temperature:					108						NaOr	I+Ascorbic Acid: SAF	O
× :	G G G G G G G G G G G G G G G G G G G	G 1 X X X X C Conner Moehring / Cmoehring@carmonaresources.com	- E	Date	Time	Soll	Water	Grab/ Comp	# of Cont	HqT							Sample Comment	
	G G G G G Conner Moehring /	G   1   X   X   X   X   X   X   X   X   X		9/13/2024		×		O	-	$\vdash$	×							
× × ×	G G G G Conner Moehring /	G   1   X   X   X   X   X   X   X   X   X		9/13/2024		×		ပ	-	-	×							
× × ×	G G G G Conner Moehring /	G   1   X   X   X   X   X   X   X   X   X		9/13/2024		×		ပ	-		×							
× × × · · · · · · · · · · · · · · · · ·	G G G G G G G G G G G G G G G G G G G	G   1   X   X   X   X   X   X   X   X   X		9/13/2024		×		Ö	-	-	×							
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× × C O O	Conner Moehring /	Conner Moehring / Cmoehring@carmonaresources.com  Date/Time  A/14 / 3-4		9/13/2024		×		U	-	-	×							
X X C C C X X	Conner Moehring /	Conner Moehring / Cmoehring@carmonaresources.com  Date/Time Received by: (Signature)		9/13/2024		×		ပ	1		×							
Date/Time Received by: (Signature)									9/19/13	4							0 0	H
Date/Time Received by: (Signature)	9				)									-				

Work Order No:

9/25/2024

Chain of Custody

DI Water: H<sub>2</sub>O Duperfund MeOH: Me HNO<sub>3</sub>: HN NaOH: Na Preservative Codes NaOH+Ascorbic Acid: SAPC Sample Comments Date/Time ō Zn Acetate+NaOH: Zn Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>: NaSO<sub>3</sub> NaHSO4: NABIS O Program: UST/PST PRP Brownfields RRC Cool: Cool HCL: HC H<sub>3</sub>PO<sub>4</sub>: HP Page Work Order Comments H<sub>2</sub>SO<sub>4</sub>: H<sub>2</sub> None: NO Received by: (Signature) State of Project: ANALYSIS REQUEST Carmona Resources × × Chloride 300.0 Date/Time × TPH 8015M (GRO + DRO + MRO) × × × × × 4119118 BTEX 8021B # of Cont Pres. Parameters Comp Grab/ Bill to: (if different) Company Name O ပ O ഗ တ O O 0 0 O City, State ZIP S Standard Email: mcarmon Yes Rush Address: **Turn Around** Water mments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Wet Ice: Due Date: Routine Soil × Corrected Temperature Temperature Reading: Relinquished by: (Signature) Yes No Correction Factor: Thermometer ID: Time Eddy County, New Mexico DD & PB Spill #2 9/13/2024 9/13/2024 9/13/2024 9/13/2024 9/13/2024 9/13/2024 9/13/2024 9/13/2024 9/13/2024 9/13/2024 Yes No N/A N/A Date 310 W Wall St Ste 500 Temp Blank: Yes No Carmona Resources S Midland, TX 79701 Devin Dominguez Yes 432-701-5475 Sample Identification BG-15 (0-1") BG-15 (2') BG-14 (0-1") BG-12 (0-1") BG-13 (0-1") BG-16 (0-1") BG-11 (2') BG-12 (2') BG-13 (2') BG-14 (2') SAMPLE RECEIPT Sample Custody Seals: Cooler Custody Seals: otal Containers: Project Manager: Sampler's Name Company Name: Project Number: Project Location Received Intact: City, State ZIP Project Name

217 0j 404

Chain of Custod

															Page	4 of 5
Project Manager:	Devin Dominguez	2			Bill to: (if different)	ferent)	Carm	Carmona Resources	arces					Work Or	Work Order Comments	
Company Name:	Carmona Resources	ces			Company Name:	Name:						Prog	Program: UST/PST	PRP	Brownfields RRC	C Duperfund
Address:	310 W Wall St Ste 500	te 500			Address:							State	State of Project:			
City, State ZIP:	Midland, TX 79701	21			City, State ZIP	ZIP:						Repo	Reporting:Level II   Level III	Level III	DST/UST TRRP	RP   Level IV
Phone:	432-701-5475			Email:	mcarmon	Email: mcarmona@camonaresources.com	aresource	s.com				Deliv	Deliverables: EDD		ADaPT 🗆 Ott	Other:
Project Name:		Spill #2	#2	Turn	Turn Around					ANA	ANALYSIS REQUEST	EQUEST			Prese	Preservative Codes
Project Number:		2511	1	✓ Routine	Rush	Pres.	de 85.								None: NO	DI Water: H <sub>2</sub> O
Project Location	Edd	ly County, h	Eddy County, New Mexico	Due Date:	Standard										Cool: Cool	MeOH: Me
Sampler's Name:		DD & PB	PB					(оы							HCL: HC	HNO3: HN
PO #:							-	W +							H2SO4: H2	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes	S	18	ово	0.04						H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Yes	No	Thermometer ID:				208		JE 3(						NaHSO₄: NABIS	BIS
Cooler Custody Seals:	s: Yes No	Io N/A	Correction Factor:				_	_	ouo						Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	ISO <sub>3</sub>
Sample Custody Seals:	Nes No	Io N/A	Temperature Reading:				.8		<b>4</b> 2						Zn Acetate+NaOH: Zn	NaOH: Zn
Total Containers:			Corrected Temperature:					108 1							NaOH+Asco	NaOH+Ascorbic Acid: SAPC
Sample Identification	itification	Date	Time	Soli	Water	Grab/ # of Comp Cont	nt	44Т							Samp	Sample Comments
BG-16 (2')		9/13/2024		×		Ö	×	×	×							
BG-17 (0-1')		9/13/2024		×		9	×	×	×							
BG-17 (2')		9/13/2024		×		Ö	×	×	×							
BG-18 (0-1')		9/13/2024		×		9	×	×	×							
BG-18 (2')		9/13/2024		×		<sub>0</sub>	1 ×	×	×							
BG-19 (0-1')		9/13/2024		×		9	×	×	×							
BG-19 (2')		9/13/2024		×		9	1 ×	×	×							
BG-20 (0-1')		9/13/2024		×		9	1 X	×	×							
BG-20 (2')		9/13/2024		×		0	×	×	×							
BG-21 (0-1')		9/13/2024		×		0	×	×	×							
Comments: Emai	I to Mike Carmon	na / Mcarm	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	es.com and Co	nner Moe	hring / Cm	oehring@	carmon	aresource	as.com						
		Relinquist	Relinquished by: (Signature)				Date/Time	ime			Ž.	sceived b	Received by: (\$) ignature)	(6)		, Date/Time
			<b>/</b>			16	911910					C			Ø	114
											1	1			),	

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# **Login Sample Receipt Checklist**

Client: Carmona Resources Job Number: 880-48707-1

SDG Number: Eddy County. New Mexico

Login Number: 48707 List Source: Eurofins Midland
List Number: 1

Creator: Vasquez, Julisa

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

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<6mm (1/4").

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Devin Dominguez
Carmona Resources
310 W Wall St
Ste 500

Midland, Texas 79701

Generated 9/30/2024 3:13:35 PM

# **JOB DESCRIPTION**

Spill #2 Eddy County, New Mexico

# **JOB NUMBER**

880-48773-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

# **Eurofins Midland**

# **Job Notes**

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

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

# **Authorization**

Generated 9/30/2024 3:13:35 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 4

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Client: Carmona Resources Project/Site: Spill #2 Laboratory Job ID: 880-48773-1 SDG: Eddy County, New Mexico

# **Table of Contents**

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# **Definitions/Glossary**

Job ID: 880-48773-1 Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County, New Mexico

**Qualifiers** 

**GC VOA** 

Qualifier **Qualifier Description** 

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

**GC Semi VOA** 

Qualifier **Qualifier Description** 

U Indicates the analyte was analyzed for but not detected.

**HPLC/IC** 

Qualifier **Qualifier Description** 

Indicates the analyte was analyzed for but not detected.

**Glossary** 

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor** 

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

**EDL** Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) Most Probable Number MPN Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

**PRES** Presumptive QC **Quality Control** 

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

**TNTC** Too Numerous To Count

#### **Case Narrative**

Client: Carmona Resources

Project: Spill #2

Job ID: 880-48773-1

Job ID: 880-48773-1 Eurofins Midland

# Job Narrative 880-48773-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
  situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
  specified in the method.
- · Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The sample was received on 9/20/2024 1:45 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

#### **GC VOA**

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-91106 and analytical batch 880-91395 was outside the upper control limits.

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

#### **Diesel Range Organics**

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

#### HPLC/IC

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

**Eurofins Midland** 

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Client: Carmona Resources

Job ID: 880-48773-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Client Sample ID: Water Bridge Riser Water

Date Collected: 09/20/24 00:00 Date Received: 09/20/24 13:45 Lab Sample ID: 880-48773-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.75		0.0200		mg/L			09/22/24 07:16	10
Toluene	0.722		0.0200		mg/L			09/22/24 07:16	10
Ethylbenzene	0.0477		0.0200		mg/L			09/22/24 07:16	10
m-Xylene & p-Xylene	0.169		0.0400		mg/L			09/22/24 07:16	10
o-Xylene	0.0687		0.0200		mg/L			09/22/24 07:16	10
Xylenes, Total	0.238		0.0400		mg/L			09/22/24 07:16	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130					09/22/24 07:16	10
1,4-Difluorobenzene (Surr)	97		70 - 130					09/22/24 07:16	10
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	4.76		0.0400		mg/L			09/22/24 07:16	1
- Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<4.95	U	4.95		mg/L			09/24/24 02:39	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<4.95	U	4.95		mg/L		09/23/24 08:22	09/24/24 02:39	1
Diesel Range Organics (Over C10-C28)	<4.95	U	4.95		mg/L		09/23/24 08:22	09/24/24 02:39	1
Oil Range Organics (Over C28-C36)	<4.95	U	4.95		mg/L		09/23/24 08:22	09/24/24 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 135				09/23/24 08:22	09/24/24 02:39	1
o-Terphenyl	104		70 - 135				09/23/24 08:22	09/24/24 02:39	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
			500		mg/L			09/21/24 02:35	

Released to Imaging: 3/12/2025 4:38:15 PM

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# **Surrogate Summary**

Client: Carmona Resources Job ID: 880-48773-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

**Matrix: Water** Prep Type: Total/NA

-				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48712-C-1 MS	Matrix Spike	112	100	
880-48712-C-1 MSD	Matrix Spike Duplicate	110	95	
880-48773-1	Water Bridge Riser Water	88	97	
LCS 880-91395/34	Lab Control Sample	112	102	
LCSD 880-91395/35	Lab Control Sample Dup	108	97	
MB 880-91106/5-A	Method Blank	137 S1+	83	
MB 880-91395/39	Method Blank	166 S1+	96	
Surrogate Legend				
BFB = 4-Bromofluorobenze	ne (Surr)			

DFBZ = 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Prep Type: Total/NA **Matrix: Water** 

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-135)	(70-135)	
880-48773-1	Water Bridge Riser Water	102	104	
LCS 860-188846/2-A	Lab Control Sample	100	91	
MB 860-188846/1-A	Method Blank	100	102	
Surrogate Legend				
1CO = 1-Chlorooctane				

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

**Matrix: Water** Prep Type: Total/NA

_		1001	ОТРН1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID			
LCSD 860-188846/3-A	Lab Control Sample Dup			
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

OTPH = o-Terphenyl

Client: Carmona Resources

Job ID: 880-48773-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91106/5-A

Matrix: Water Analysis Batch: 91395 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91106

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Toluene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
o-Xylene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	09/18/24 12:36	09/21/24 16:06	1
1,4-Difluorobenzene (Surr)	83		70 - 130	09/18/24 12:36	09/21/24 16:06	1

Lab Sample ID: MB 880-91395/39

Client Sample ID: Method Blank
Matrix: Water

Prep Type: Total/NA

**Analysis Batch: 91395** 

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Xylenes, Total	< 0.00400	U	0.00400		mg/L			09/22/24 03:43	1

MB MB

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	166	S1+	70 - 130		09/22/24 03:43	1
١	1,4-Difluorobenzene (Surr)	96		70 - 130	(	09/22/24 03:43	1

Lab Sample ID: LCS 880-91395/34

**Matrix: Water** 

Analysis Batch: 91395

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

Client Sample ID: Lab Control Sample Dup

ı		Spike	LCS	LCS				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Benzene	0.100	0.08945		mg/L		89	70 - 130	
	Toluene	0.100	0.07725		mg/L		77	70 - 130	
	Ethylbenzene	0.100	0.08740		mg/L		87	70 - 130	
İ	m-Xylene & p-Xylene	0.200	0.1849		mg/L		92	70 - 130	
	o-Xylene	0.100	0.09525		mg/L		95	70 - 130	

LCS LCS

Surrogate	%Recovery Qualific	er Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: LCSD 880-91395/35

Matrix: Water

Analysis Batch: 91395

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09007	-	mg/L		90	70 - 130	1	20

**Eurofins Midland** 

Prep Type: Total/NA

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Client: Carmona Resources Job ID: 880-48773-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-91395/35

**Matrix: Water** 

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 91395

	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier Ur	it D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.08554	mç	g/L	86	70 - 130	10	20
Ethylbenzene	0.100	0.09203	mç	g/L	92	70 - 130	5	20
m-Xylene & p-Xylene	0.200	0.1643	mç	g/L	82	70 - 130	12	20
o-Xylene	0.100	0.08217	mç	g/L	82	70 - 130	15	20

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-48712-C-1 MS Client Sample ID: Matrix Spike Prep Type: Total/NA

**Matrix: Water** 

Analysis Batch: 91395										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.09012		mg/L		90	70 - 130	

Toluene <0.00200 U 0.100 0.08278 70 - 130 mg/L 83 Ethylbenzene <0.00200 U 0.100 0.08268 70 - 130 mg/L 83 m-Xylene & p-Xylene <0.00400 U 0.200 0.1721 70 - 130 mg/L 86 o-Xylene <0.00200 U 0.100 0.08968 mg/L 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: 880-48712-C-1 MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

**Matrix: Water** 

Analysis Batch: 91395

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09144		mg/L		91	70 - 130	1	25
Toluene	<0.00200	U	0.100	0.08947		mg/L		89	70 - 130	8	25
Ethylbenzene	<0.00200	U	0.100	0.09520		mg/L		95	70 - 130	14	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1827		mg/L		91	70 - 130	6	25
o-Xylene	<0.00200	U	0.100	0.09854		mg/L		99	70 - 130	9	25

MSD MSD

Surroyale	76Kecovery	Qualifier	LIIIIII
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 860-188846/1-A

**Matrix: Water** 

Analysis Batch: 189324

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

**Prep Batch: 188846** 

мв мв Result Qualifier MDL Unit Prepared Analyzed <5.00 U 5.00 09/23/24 08:22 09/25/24 08:53 Gasoline Range Organics mg/L (GRO)-C6-C10

Client: Carmona Resources Job ID: 880-48773-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 860-188846/1-A

Lab Sample ID: LCS 860-188846/2-A

**Matrix: Water** 

Analysis Batch: 189324

Client Sample ID: Method Blank

Prep Type: Total/NA

**Prep Batch: 188846** 

Analyte	Result Qual	ifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<5.00 U	5.00	mg/L		09/23/24 08:22	09/25/24 08:53	1
C10-C28)							
Oil Range Organics (Over C28-C36)	<5.00 U	5.00	mg/L		09/23/24 08:22	09/25/24 08:53	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	P	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 135	09/2	23/24 08:22	09/25/24 08:53	1
o-Terphenyl	102		70 - 135	09/2	23/24 08:22	09/25/24 08:53	1

**Client Sample ID: Lab Control Sample** 

**Matrix: Water** Prep Type: Total/NA Analysis Batch: 189324 **Prep Batch: 188846** LCS LCS

Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 100 105.0 105 70 - 135 mg/L (GRO)-C6-C10 100 102.3 102 Diesel Range Organics (Over mg/L 70 - 135C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 135
o-Terphenyl	91		70 <sub>-</sub> 135

Lab Sample ID: LCSD 860-188846/3-A

**Matrix: Water** 

Analysis Batch: 189324

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

**Prep Batch: 188846** 

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	100	107.2		mg/L						
(GRO)-C6-C10										
Diesel Range Organics (Over	100	106.1		mg/L						
C10-C28)										

LCSD LCSD

Surrogate %Recovery Qualifier Limits

1-Chlorooctane

o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91065/3 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 91065** 

мв мв Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <0.500 U 0.500 09/20/24 23:48 mg/L

Prep Type: Total/NA

## **QC Sample Results**

Client: Carmona Resources

Job ID: 880-48773-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-91065/4

Matrix: Water

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

**Analysis Batch: 91065** 

 Analyte
 Added Chloride
 Result 25.0
 Qualifier 25.0
 Unit mg/L
 D
 %Rec MRec MRec

 Limits mg/L
 97
 90 - 110

Lab Sample ID: LCSD 880-91065/5

Matrix: Water

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

Analysis Batch: 91065

Spike LCSD LCSD %Rec RPD Added RPD Limit Analyte Result Qualifier Unit D %Rec Limits Chloride 25.0 24.29 mg/L 97 90 - 110 0

Lab Sample ID: 880-48492-A-2 MS Client Sample ID: Matrix Spike

Matrix: Water

Analysis Batch: 91065

%Rec Spike MS MS Sample Sample Analyte Result Qualifier Added Result Qualifier Unit Limits Chloride 634 1250 1884 100 90 - 110 mg/L

Lab Sample ID: 880-48492-A-2 MSD

Matrix: Water

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

watrix. water

**Analysis Batch: 91065** 

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Qualifier Unit %Rec RPD Limit Result Limits 1250 1883 Chloride 634 100 90 - 110 20 mg/L

# **QC Association Summary**

Client: Carmona Resources

Job ID: 880-48773-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

**GC VOA** 

Prep Batch: 91106
-------------------

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91106/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 91395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	8021B	
MB 880-91106/5-A	Method Blank	Total/NA	Water	8021B	91106
MB 880-91395/39	Method Blank	Total/NA	Water	8021B	
LCS 880-91395/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-91395/35	Lab Control Sample Dup	Total/NA	Water	8021B	
880-48712-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-48712-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 91482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	Total BTEX	

GC Semi VOA

## Analysis Batch: 188805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	8015B NM	188846

**Prep Batch: 188846** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	8015NM Aq Prep	
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Ag Prep	

Analysis Batch: 189324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015B NM	188846
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015B NM	188846
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	188846

Analysis Batch: 189831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	8015 NM	

HPLC/IC

### Analysis Batch: 91065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-48773-1	Water Bridge Riser Water	Total/NA	Water	300.0	
MB 880-91065/3	Method Blank	Total/NA	Water	300.0	
LCS 880-91065/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-91065/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-48492-A-2 MS	Matrix Spike	Total/NA	Water	300.0	
880-48492-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

### **Lab Chronicle**

Client: Carmona Resources Job ID: 880-48773-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

### Client Sample ID: Water Bridge Riser Water

Lab Sample ID: 880-48773-1 Date Collected: 09/20/24 00:00 Matrix: Water

Date Received: 09/20/24 13:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	91395	09/22/24 07:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91482	09/22/24 07:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			189831	09/24/24 02:39	TTD	EET HOU
Total/NA	Prep	8015NM Aq Prep			30.3 mL	3 mL	188846	09/23/24 08:22	TH	EET HOU
Total/NA	Analysis	8015B NM		1			188805	09/24/24 02:39	W1N	EET HOU
Total/NA	Analysis	300.0		1000			91065	09/21/24 02:35	СН	EET MID

#### Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# **Accreditation/Certification Summary**

Client: Carmona Resources

Job ID: 880-48773-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

#### **Laboratory: Eurofins Midland**

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

Authority	Prograr	n	Identification Number	<b>Expiration Date</b>
Texas	NELAP		T104704400	06-30-25
• ,	es are included in this report, but does not offer certification.	the laboratory is not certif	ied by the governing authority. This lis	t may include analytes
Analysis Mathad	Prop Mothod	Matrix	Analyto	
Analysis Method	Prep Method	Matrix	Analyte	
Analysis Method 300.0 Total BTEX	Prep Method	Matrix Water Water	Analyte Chloride Total BTEX	

### **Laboratory: Eurofins Houston**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	<b>Expiration Date</b>
Arkansas DEQ	State	88-00759	08-03-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

**Eurofins Midland** 

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# **Method Summary**

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48773-1

SDG: Eddy County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
3015NM Aq Prep	Microextraction	SW846	EET HOU

#### Protocol References:

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# **Sample Summary**

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48773-1

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48773-1	Water Bridge Riser Water	Water	09/20/24 00:00	09/20/24 13:45

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Received by OCD: 2/	Ŋ	Brownfields RRC Liperfund		☐RRP ☐ Level IV ☐	ADaPT ☐ Other:	Preservative Codes	None: NO DI Water: H <sub>2</sub> O	Codi: Cool MeOH: Me HCL: HC HNO3: HN H-SO: H- NAOH: NA	0	NaHSO,: NABIS	Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments						Date/Time	S NS. 1 00/10	
880-48773 Chain of Custody	Work Or	ST   PRP	State of Project:	Reporting:Level II Level III PST/UST	Deliverables: EDD	REQUEST													Received by: (Signature)		
	sea					ANALYSIS REQUEST												resources.com			
Chain of Custody	Carmona Resources				esources.com			- мко)	- ОЯО	:X 8021 :RO + I	9) W			×	+			hring@carmona	Date/Time	4120124	
Chain of	Bill to: (if different)	Company Name:	Address:	City, State ZIP:	Email: mcarmona@carmonaresources.com		Rush Code	Standard	Yes	Param		9	Water Grab/ # of	9 9 ×				ner Moehring / Cmoehring@carmonaresources.com		9/2	
		0	d	0	Email:	Turn Around	☑ Routine	Due Date:	Wet Ice:				Soil					es.com and Con			
								w Mexico B	Yes	Thermometer ID.	Correction Factor: Temperature Reading:	Corrected Temperature:	Time					Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner	Relinquished by: (Signature)		
	dnez	sources	St Ste 500	19701	5	Spill #2	2511	Eddy County, New Mexico DD & PB	Jemp Blank:	es No	N N		Date	9/20/2024				mona / Mcarmol	Relinquishe		
	Devin Dominguez	Carmona Resources	310 W Wall St Ste 500	Midland, TX 79701	432-701-5475				_	Ų°,	IIS. Yes	H	ntification	Riser Water				il to Mike Can			
	Project Manager:	Company Name:	Address:	City, State ZIP:	Phone:	Project Name:	Project Number:	Project Location Sampler's Name:	SAMPLE RECEIPT	Received Intact:	Sample Custody Seals:	Total Containers:	Sample Identification	Water Bridge Riser Water				Comments: Ema			

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**Eurofins Midland** 

Midland, TX 79701

1211 W Florida Ave

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Chain of Custody Record

eurofins:

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Env ronment Testing

State, Zip: TX, 77477 Note; Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central. LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not ourrently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to data, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC. Spill #2 Client Information Sample identification Client ID (Lab ID) Stafford 4145 Greenbriar Dr Deliverable Requested. I, II, III, IV Other (specify) Possible Hazard Identification 281-240-4200(Tel) mpty Kit Relinquished by Nater Bridge Riser Water (880-48773-1) hone: 432-704-5440 Custody Seals Intact: elinquished by urofins Environment Testing South Centr oject Name ent Contact: nipping/Receiving (Sub Contract Lab) Custody Seal No. Project #: 88001287 SSOW#: Date/Time: TAT Requested (days): Due Date Requested: 9/26/2024 Date/Time: Date/Time: Primary Deliverable Rank: 2 9/20/24 Date: Mountain Sample (C=comp, Sample Type Preservation Code: ດ Company Company Water Matrix Lab PM: Kramer Jessica Jessica.Kramer@et.eurofinsus.com
Accreditations Required (See note):
NELAP Texas E-Mail: Field Filtered Sample (Yes or No) Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mont Perform MS/MSD (Yes or No) Special Instructions/QC Requirements: 8015MOD\_NM/8016NM\_Aq\_Prep Full TPH Received by Received by: Received by: × 8015MOD Calc × ure(s) °C and Other Remarks: Analysis Requested State of Origin: New Mexico Carrier Tracking No(s): Method of Shipment Date/ime Total Number of containers N COC No: 880-11391 1 Page: Page 1 of 1 Preservation Codes: 80-48773-1 Special Instructions/Note: Company Company Ver 05/06/2024 Company Months

# **Login Sample Receipt Checklist**

Client: Carmona Resources Job Number: 880-48773-1

SDG Number: Eddy County, New Mexico

Login Number: 48773 List Source: Eurofins Midland
List Number: 1

Creator: Vasquez, Julisa

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

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<6mm (1/4").

# **Login Sample Receipt Checklist**

Client: Carmona Resources Job Number: 880-48773-1

SDG Number: Eddy County, New Mexico

**List Source: Eurofins Houston** Login Number: 48773 List Number: 2

List Creation: 09/21/24 01:11 PM

Creator: Baker, Jeremiah

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

<6mm (1/4").

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**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Devin Dominguez
Carmona Resources
310 W Wall St
Ste 500

Midland, Texas 79701

Generated 9/30/2024 3:18:55 PM

# **JOB DESCRIPTION**

Spill #2 Eddy County, New Mexico

# **JOB NUMBER**

880-48777-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

# **Eurofins Midland**

# **Job Notes**

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

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

# **Authorization**

Generated 9/30/2024 3:18:55 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies
Page 2 of 20
9/30/2024

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Client: Carmona Resources Project/Site: Spill #2 Laboratory Job ID: 880-48777-1 SDG: Eddy County, New Mexico

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# **Definitions/Glossary**

Client: Carmona Resources

Job ID: 880-48777-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

2

**Qualifiers** 

**GC VOA** 

Qualifier Description

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

**GC Semi VOA** 

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Example 2 Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

 NEG
 Negative / Absent

 POS
 Positive / Present

 PQL
 Practical Quantitation Limit

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

### **Case Narrative**

Client: Carmona Resources

Job ID: 880-48777-1

Project: Spill #2

Job ID: 880-48777-1

**Eurofins Midland** 

#### Job Narrative 880-48777-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
  situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
  specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The sample was received on 9/20/2024 1:45 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

#### **GC VOA**

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-91106 and analytical batch 880-91395 was outside the upper control limits.

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

#### **Diesel Range Organics**

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

#### HPLC/IC

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

**Eurofins Midland** 

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# **Client Sample Results**

Client: Carmona Resources

Job ID: 880-48777-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

**Client Sample ID: Auger Hole Water** 

Date Collected: 09/20/24 00:00 Date Received: 09/20/24 13:45 Lab Sample ID: 880-48777-1

Matrix: Water

Method: SW846 8021B - Volatile Analyte		Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200		0.00200		mg/L			09/22/24 09:06	
Toluene	<0.00200		0.00200		mg/L			09/22/24 09:06	1
Ethylbenzene	<0.00200		0.00200		mg/L			09/22/24 09:06	1
m-Xylene & p-Xylene	<0.00400		0.00400		mg/L			09/22/24 09:06	1
o-Xylene	<0.00200		0.00200		mg/L			09/22/24 09:06	1
Kylenes, Total	<0.00400	U	0.00400		mg/L			09/22/24 09:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130					09/22/24 09:06	1
1,4-Difluorobenzene (Surr)	102		70 - 130					09/22/24 09:06	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/L			09/22/24 09:06	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<5.07	U	5.07		mg/L			09/26/24 00:18	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<5.07	U	5.07		mg/L		09/23/24 08:22	09/26/24 00:18	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<5.07	U	5.07		mg/L		09/23/24 08:22	09/26/24 00:18	1
C10-C28) Oil Range Organics (Over C28-C36)	<5.07		5.07		ma/l		09/23/24 08:22	09/26/24 00:18	1
Oil Range Organics (Over C26-C36)	<5.07	U	5.07		mg/L		09/23/24 06:22	09/20/24 00:16	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 135				09/23/24 08:22	09/26/24 00:18	1
o-Terphenyl	97		70 - 135				09/23/24 08:22	09/26/24 00:18	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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# **Surrogate Summary**

Client: Carmona Resources

Job ID: 880-48777-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48712-C-1 MS	Matrix Spike	112	100	
880-48712-C-1 MSD	Matrix Spike Duplicate	110	95	
880-48777-1	Auger Hole Water	99	102	
LCS 880-91395/34	Lab Control Sample	112	102	
LCSD 880-91395/35	Lab Control Sample Dup	108	97	
MB 880-91106/5-A	Method Blank	137 S1+	83	
MB 880-91395/39	Method Blank	166 S1+	96	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Water Prep Type: Total/NA

-				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-135)	(70-135)	
880-48777-1	Auger Hole Water	91	97	
LCS 860-188846/2-A	Lab Control Sample	100	91	
MB 860-188846/1-A	Method Blank	100	102	
Surrogate Legend				
1CO = 1-Chlorooctane				

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

Matrix: Water Prep Type: Total/NA

		4004	OTDUA	Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID			
LCSD 860-188846/3-A	Lab Control Sample Dup			

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

OTPH = o-Terphenyl

Client: Carmona Resources Job ID: 880-48777-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91106/5-A

**Matrix: Water** Analysis Batch: 91395 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91106

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Toluene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
o-Xylene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1

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Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	09/18/24 12:36	09/21/24 16:06
1,4-Difluorobenzene (Surr)	83		70 - 130	09/18/24 12:36	09/21/24 16:06

Client Sample ID: Method Blank

Prep Type: Total/NA

Analysis Batch: 91395

**Matrix: Water** 

Lab Sample ID: MB 880-91395/39

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1

MB MB

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	166	S1+	70 - 130		09/22/24 03:43	1
Į	1,4-Difluorobenzene (Surr)	96		70 - 130		09/22/24 03:43	1

Lab Sample ID: LCS 880-91395/34

**Matrix: Water** 

**Analysis Batch: 91395** 

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

Client Sample ID: Lab Control Sample Dup

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08945		mg/L		89	70 - 130	
Toluene	0.100	0.07725		mg/L		77	70 - 130	
Ethylbenzene	0.100	0.08740		mg/L		87	70 - 130	
m-Xylene & p-Xylene	0.200	0.1849		mg/L		92	70 - 130	
o-Xylene	0.100	0.09525		mg/L		95	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 _ 130
1.4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: LCSD 880-91395/35

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**Matrix: Water** 

**Analysis Batch: 91395** 

•	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	%Re	c Limits	RPD	Limit
Benzene	0.100	0.09007		mg/L	 9	70 - 130	1	20

**Eurofins Midland** 

Prep Type: Total/NA

Dil Fac

Client: Carmona Resources Job ID: 880-48777-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-91395/35

**Matrix: Water** 

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 91395

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier (	Jnit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.08554	r	ng/L		86	70 - 130	10	20
Ethylbenzene	0.100	0.09203	r	ng/L		92	70 - 130	5	20
m-Xylene & p-Xylene	0.200	0.1643	r	ng/L		82	70 - 130	12	20
o-Xylene	0.100	0.08217	r	ng/L		82	70 - 130	15	20

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-48712-C-1 MS Client Sample ID: Matrix Spike

Matrix: Water

Matrix. Water							Prep Type. Total/NA
Analysis Batch: 91395							
	Sample Sample	Spike	MS M	IS			%Rec
Δnalvto	Result Qualifier	hahhΔ	Result O	ualifier Unit	n	%Rec	l imite

Benzene <0.00200 U 0.100 0.09012 mg/L 90 70 - 130 Toluene <0.00200 U 83 0.100 0.08278 mg/L 70 - 130 Ethylbenzene 70 - 130 <0.00200 U 0.100 0.08268 mg/L 83 m-Xylene & p-Xylene 0.200 86 70 - 130 <0.00400 U 0.1721 mg/L o-Xylene <0.00200 U 0.100 0.08968 mg/L 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: 880-48712-C-1 MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 91395

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00200	U	0.100	0.09144	-	mg/L		91	70 - 130	1	25	
Toluene	<0.00200	U	0.100	0.08947		mg/L		89	70 - 130	8	25	
Ethylbenzene	<0.00200	U	0.100	0.09520		mg/L		95	70 - 130	14	25	
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1827		mg/L		91	70 - 130	6	25	
o-Xylene	<0.00200	U	0.100	0.09854		mg/L		99	70 - 130	9	25	

MSD MSD

Surroyale	76Kecovery	Qualifier	LIIIIII
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

**Matrix: Water** 

Analysis Batch: 189324

Lab Sample ID: MB 860-188846/1-A

Client Sample ID: Method Blank Prep Type: Total/NA **Prep Batch: 188846** 

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Result Qualifier MDL Unit Prepared Analyzed <5.00 U 5.00 09/23/24 08:22 09/25/24 08:53 Gasoline Range Organics mg/L (GRO)-C6-C10

Client: Carmona Resources Job ID: 880-48777-1 SDG: Eddy County, New Mexico Project/Site: Spill #2

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

Lab Sample ID: MB 860-188846/1-	A
Matrix: Water	

Analysis Batch: 189324

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

**Prep Batch: 188846** 

Analyte	Result	Qualifier	RL	MDL U	nit	D Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<5.00	U	5.00	m	g/L	09/23/24 08:22	09/25/24 08:53	1
C10-C28) Oil Range Organics (Over C28-C36)	<5.00	U	5.00	m	g/L	09/23/24 08:22	09/25/24 08:53	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 135	09/23/24 08:22	09/25/24 08:53	1
o-Terphenyl	102		70 - 135	09/23/24 08:22	09/25/24 08:53	1

**Client Sample ID: Lab Control Sample** 

Lab Sample ID: LCS 860-188846/2-A Prep Type: Total/NA **Matrix: Water** Analysis Batch: 189324 **Prep Batch: 188846** LCS LCS Spike

Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 100 105.0 105 70 - 135 mg/L (GRO)-C6-C10 100 102.3 102 Diesel Range Organics (Over 70 - 135 mg/L C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 135
o-Terphenyl	91		70 <sub>-</sub> 135

Lab Sample ID: LCSD 860-188846/3-A

**Matrix: Water** 

Analysis Batch: 189324

Prep Type: Total/NA

**Prep Batch: 188846** 

	Spike	LCSD	LCSD				%Rec			RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RF	PD	Limit
Gasoline Range Organics	100	107.2		mg/L						
(GRO)-C6-C10										
Diesel Range Organics (Over	100	106.1		mg/L						
C10-C28)										

LCSD LCSD

Surrogate %Recovery Qualifier Limits

1-Chlorooctane

o-Terphenyl

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

Lab Sample ID: MB 880-91065/3 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 91065

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500		mg/L	_		09/20/24 23:48	1

Client: Carmona Resources

Job ID: 880-48777-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-91065/4

Matrix: Water

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

Analysis Batch: 91065

 Analyte
 Added Chloride
 Result 25.0
 Qualifier 25.0
 Unit mg/L
 D
 %Rec MRec MRec

 Limits mg/L
 97
 90 - 110

Lab Sample ID: LCSD 880-91065/5

Matrix: Water

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

Analysis Batch: 91065

Spike LCSD LCSD %Rec RPD Added RPD Limit Analyte Result Qualifier Unit D %Rec Limits Chloride 25.0 24.29 mg/L 97 90 - 110 0

Lab Sample ID: 880-48492-A-2 MS Client Sample ID: Matrix Spike

Matrix: Water Prep Type: Total/NA

Analysis Batch: 91065

%Rec Spike MS MS Sample Sample Analyte Result Qualifier Added Result Qualifier Unit Limits Chloride 634 1250 1884 100 90 - 110 mg/L

Lab Sample ID: 880-48492-A-2 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 91065

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Qualifier Unit %Rec RPD Limit Result Limits 1250 1883 Chloride 634 100 90 - 110 20 mg/L

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# **QC Association Summary**

Client: Carmona Resources Job ID: 880-48777-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

**GC VOA** 

Prep Batch: 91106	,
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91106/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 91395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48777-1	Auger Hole Water	Total/NA	Water	8021B	
MB 880-91106/5-A	Method Blank	Total/NA	Water	8021B	91106
MB 880-91395/39	Method Blank	Total/NA	Water	8021B	
LCS 880-91395/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-91395/35	Lab Control Sample Dup	Total/NA	Water	8021B	
880-48712-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-48712-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 91483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48777-1	Auger Hole Water	Total/NA	Water	Total BTEX	

### GC Semi VOA

### **Prep Batch: 188846**

<b>Lab Sample ID</b> 880-48777-1	Client Sample ID Auger Hole Water	Prep Type Total/NA	Matrix Water	Method 8015NM Aq Prep	Prep Batch
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	

### Analysis Batch: 189324

Lab Sample ID MB 860-188846/1-A	Client Sample ID  Method Blank	Prep Type Total/NA	Matrix Water	Method 8015B NM	Prep Batch 188846
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015B NM	188846
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	188846

### Analysis Batch: 189328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48777-1	Auger Hole Water	Total/NA	Water	8015B NM	188846

### Analysis Batch: 190146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48777-1	Auger Hole Water	Total/NA	Water	8015 NM	

### HPLC/IC

### Analysis Batch: 91065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-48777-1	Auger Hole Water	Total/NA	Water	300.0	
MB 880-91065/3	Method Blank	Total/NA	Water	300.0	
LCS 880-91065/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-91065/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-48492-A-2 MS	Matrix Spike	Total/NA	Water	300.0	
880-48492-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

### **Lab Chronicle**

Client: Carmona Resources Job ID: 880-48777-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

**Client Sample ID: Auger Hole Water** 

Date Collected: 09/20/24 00:00 Date Received: 09/20/24 13:45 Lab Sample ID: 880-48777-1

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	91395	09/22/24 09:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91483	09/22/24 09:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			190146	09/26/24 00:18	ELJ	EET HOU
Total/NA	Prep	8015NM Aq Prep			29.6 mL	3 mL	188846	09/23/24 08:22	TH	EET HOU
Total/NA	Analysis	8015B NM		1			189328	09/26/24 00:18	T1S	EET HOU
Total/NA	Analysis	300.0		100			91065	09/21/24 02:42	СН	EET MID

### Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# **Accreditation/Certification Summary**

Client: Carmona Resources Job ID: 880-48777-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

### **Laboratory: Eurofins Midland**

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

Authority	Progra	m	Identification Number	<b>Expiration Date</b>
Texas	NELAP	)	T104704400	06-30-25
• ,		the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
0 ,	does not offer certification.	Matrix	Analyte	
for which the agency of Analysis Method 300.0	does not offer certification.  Prep Method	Matrix Water	Analyte Chloride	

### **Laboratory: Eurofins Houston**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	<b>Expiration Date</b>
Arkansas DEQ	State	88-00759	08-03-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

# **Method Summary**

Client: Carmona Resources Project/Site: Spill #2

Method

8021B

Total BTEX 8015 NM

8015B NM

8015NM Aq Prep

300.0

5030B

Job ID: 880-48777-1

SDG: Eddy County, New Mexico

**EET MID** 

**EET HOU** 

Protocol	Laboratory
SW846	EET MID
TAL SOP	EET MID
SW846	EET HOU
SW846	EET HOU
EPA	EET MID

SW846

SW846

### Protocol References:

EPA = US Environmental Protection Agency

Purge and Trap

Microextraction

**Method Description** 

Total BTEX Calculation

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Anions, Ion Chromatography

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

### **Laboratory References:**

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Sample Summary

Client: Carmona Resources Project/Site: Spill #2 Job ID: 880-48777-1 SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48777-1	Auger Hole Water	Water	09/20/24 00:00	09/20/24 13:45

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	1 of 1		punjuedr	[	☐RRP ☐ Level IV ☐	ADaPT ☐ Other.	Preservative Codes	None: NO DI Water. H <sub>2</sub> O	*	HCL: HC HNO3: HN	H-PO. HP	SISSAN	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Na <sub>2</sub> SO <sub>3</sub>	Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments								Date/Time
880-48777 Chain of Custody		Work Order Comments	Program: UST/PST   PRP   brownfields   RRC	State of Project:	vel III	Deliverables: EDD	QUEST																	Received by: (Signature)
dy		sources					ANALYSIS REQUEST				0.0	300	əpinc	сыс			×					onaresources.com		8
Chain of Custody		Carmona Resources				Email: mcarmona@carmonaresources.com		Pres. Code			erers e e	0216	8 X3	-	1 1 8 0 1	# of Cont	+					/ Cmoehring@carmo		Pater Time
Cha		Bill to: (if different)	Company Name:	Address:	City, State ZIP:	Email: mcamona@ca	Turn Around	e Rush	s: Standard			1	2		9	Water Grab	×	+				d Conner Moehring		
								Routine	exico Date:		Vec /No		Correction Factor:	Temperature Reading:	Corrected Temperature:	Time						Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com		(Signature)
		Devin Dominguez	Carmona Resources	310 W Wall St Ste 500	Midland, TX 79701	-5475	Spill #2	2511	Eddy County, New Mexico	OD & PB	Temp Blank	Г	NA O	No N/A		Date	9/20/2024					Carmona / Mcarmona@c		Relinquished by: (Signature)
	Г	T	/ Name:	Address: 310 W \	City, State ZIP: Midland	Phone: 432-701-5475	Project Name:	Project Number.	Project Location	Sampler's Name:	SAMPLE RECEIPT	Received Intact:	Cooler Custody Seals:	Sample Custody Seals:	Total Containers:	Sample Identification	Auger Hole Water					Comments: Email to Mike		

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**Eurofins Midland** 

Midland, TX 79701 1211 W Florida Ave

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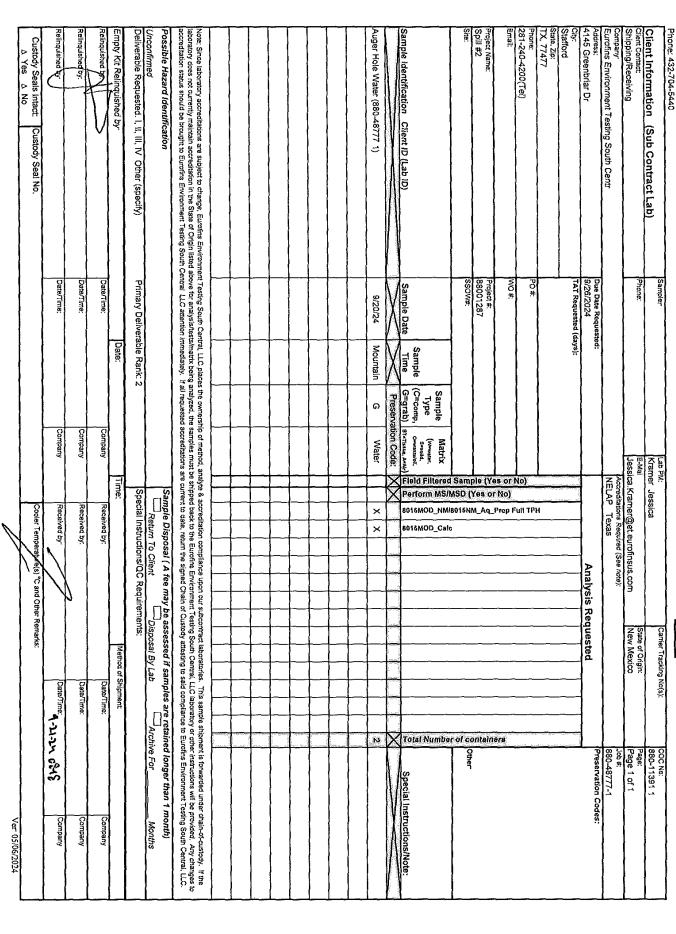
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Chain of Custody Record

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Environment Testing



# **Login Sample Receipt Checklist**

Client: Carmona Resources Job Number: 880-48777-1

SDG Number: Eddy County, New Mexico

Login Number: 48777 List Source: Eurofins Midland
List Number: 1

Creator: Vasquez, Julisa

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

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<6mm (1/4").

# **Login Sample Receipt Checklist**

Client: Carmona Resources Job Number: 880-48777-1

SDG Number: Eddy County, New Mexico

**List Source: Eurofins Houston** 

List Creation: 09/21/24 01:11 PM

Login Number: 48777 List Number: 2

Creator: Baker, Jeremiah

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

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**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

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

Generated 9/30/2024 3:18:46 PM

# **JOB DESCRIPTION**

Spill #2 Eddy County, New Mexico

# **JOB NUMBER**

880-48778-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

# **Eurofins Midland**

# **Job Notes**

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

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

# **Authorization**

Generated 9/30/2024 3:18:46 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 0

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Client: Carmona Resources Project/Site: Spill #2 Laboratory Job ID: 880-48778-1 SDG: Eddy County, New Mexico

# **Table of Contents**

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# **Definitions/Glossary**

Client: Carmona Resources

Job ID: 880-48778-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

2

**Qualifiers** 

GC VOA
Qualifier Qualifier Description

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

**GC Semi VOA** 

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Example 2 Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

 NEG
 Negative / Absent

 POS
 Positive / Present

 PQL
 Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

### **Case Narrative**

Client: Carmona Resources

Job ID: 880-48778-1

Project: Spill #2

Job ID: 880-48778-1

**Eurofins Midland** 

Job Narrative 880-48778-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The sample was received on 9/20/2024 1:45 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

### **GC VOA**

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-91106 and analytical batch 880-91395 was outside the upper control limits.

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

### **Diesel Range Organics**

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

### HPLC/IC

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

**Eurofins Midland** 

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# **Client Sample Results**

Client: Carmona Resources

Job ID: 880-48778-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Client Sample ID: Playa Lake Water

Date Collected: 09/20/24 00:00 Date Received: 09/20/24 13:45 Lab Sample ID: 880-48778-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 09:26	
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 09:26	,
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 09:26	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 09:26	
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 09:26	
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/22/24 09:26	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	111		70 - 130					09/22/24 09:26	
1,4-Difluorobenzene (Surr)	104		70 - 130					09/22/24 09:26	
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00400	U	0.00400		mg/L			09/22/24 09:26	•
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<5.23	U	5.23		mg/L			09/24/24 03:47	•
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<5.23	U	5.23		mg/L		09/23/24 08:22	09/24/24 03:47	•
Diesel Range Organics (Over	<5.23	U	5.23		mg/L		09/23/24 08:22	09/24/24 03:47	
C10-C28)					Ü				
Oil Range Organics (Over C28-C36)	<5.23	U	5.23		mg/L		09/23/24 08:22	09/24/24 03:47	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	100		70 - 135				09/23/24 08:22	09/24/24 03:47	
o-Terphenyl	112		70 - 135				09/23/24 08:22	09/24/24 03:47	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88800		1000		mg/L			09/21/24 02:49	2000

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# **Surrogate Summary**

Client: Carmona Resources Job ID: 880-48778-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

**Matrix: Water** Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48712-C-1 MS	Matrix Spike	112	100	
880-48712-C-1 MSD	Matrix Spike Duplicate	110	95	
880-48778-1	Playa Lake Water	111	104	
LCS 880-91395/34	Lab Control Sample	112	102	
LCSD 880-91395/35	Lab Control Sample Dup	108	97	
MB 880-91106/5-A	Method Blank	137 S1+	83	
MB 880-91395/39	Method Blank	166 S1+	96	

DFBZ = 1,4-Difluorobenzene (Surr)

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

Prep Type: Total/NA **Matrix: Water** 

				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-135)	(70-135)	
880-48778-1	Playa Lake Water	100	112	
LCS 860-188846/2-A	Lab Control Sample	100	91	
MB 860-188846/1-A	Method Blank	100	102	
Surrogate Legend				
1CO = 1-Chlorooctane				

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

**Matrix: Water** Prep Type: Total/NA

		1001	ОТРН1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID			
LCSD 860-188846/3-A	Lab Control Sample Dup			

**Surrogate Legend** 

OTPH = o-Terphenyl

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Carmona Resources

Job ID: 880-48778-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91106/5-A

Matrix: Water Analysis Batch: 91395 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91106

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Toluene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
o-Xylene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	09/18/24 12:3	6 09/21/24 16:06	1
1,4-Difluorobenzene (Surr)	83		70 - 130	09/18/24 12:3	6 09/21/24 16:06	1

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

Matrix: Water

Lab Sample ID: MB 880-91395/39

Analysis Batch: 91395

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1

MB MB

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	166	S1+	70 - 130		09/22/24 03:43	1
١	1,4-Difluorobenzene (Surr)	96		70 - 130	(	09/22/24 03:43	1

Lab Sample ID: LCS 880-91395/34

**Matrix: Water** 

Analysis Batch: 91395

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

Client Sample ID: Lab Control Sample Dup

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08945		mg/L		89	70 - 130	
Toluene	0.100	0.07725		mg/L		77	70 - 130	
Ethylbenzene	0.100	0.08740		mg/L		87	70 - 130	
m-Xylene & p-Xylene	0.200	0.1849		mg/L		92	70 - 130	
o-Xylene	0.100	0.09525		mg/L		95	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1.4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: LCSD 880-91395/35

Matrix: Water

**Analysis Batch: 91395** 

-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09007		mg/L		90	70 - 130	1	20

**Eurofins Midland** 

Prep Type: Total/NA

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Client: Carmona Resources Job ID: 880-48778-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-91395/35

**Matrix: Water** 

Analysis Batch: 91395

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D Toluene 0.100 0.08554 86 70 - 130 20 ma/L 10 Ethylbenzene 0.100 0.09203 mg/L 92 70 - 130 5 20 0.200 0.1643 mg/L 82 70 - 130 20 m-Xylene & p-Xylene 12 o-Xylene 0.100 0.08217 mg/L 82 70 - 130 15 20

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-48712-C-1 MS

**Matrix: Water** 

Analysis Batch: 91395

Client Sample ID: Matrix Spike

Prep Type: Total/NA

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene 0.09012 <0.00200 0.100 mg/L 90 70 - 130 Toluene <0.00200 0.100 0.08278 83 70 - 130 U mg/L 0.100 0.08268 70 - 130 Ethylbenzene <0.00200 mg/L 83 <0.00400 U 0.200 0.1721 86 70 - 130 m-Xylene & p-Xylene mg/L o-Xylene <0.00200 U 0.100 0.08968 mg/L 90 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: 880-48712-C-1 MSD

**Matrix: Water** 

**Analysis Batch: 91395** 

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Sample Sample MSD MSD %Rec RPD Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Benzene <0.00200 U 0.100 0.09144 mg/L 91 70 - 130 25 Toluene <0.00200 U 0.100 0.08947 mg/L 89 70 - 130 8 25 Ethylbenzene <0.00200 U 0.100 0.09520 mg/L 95 70 - 130 14 25 0.200 0.1827 91 70 - 130 25 m-Xylene & p-Xylene <0.00400 U mg/L 6 o-Xylene <0.00200 U 0.100 0.09854 mg/L 70 - 130 25

MSD MSD

Surrogate	%Recovery	Quaimer	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 860-188846/1-A

**Matrix: Water** 

Analysis Batch: 189324

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

**Prep Batch: 188846** 

мв мв Analyte Result Qualifier RL MDL Unit Prepared Analyzed <5.00 U 5.00 09/23/24 08:22 09/25/24 08:53 Gasoline Range Organics mg/L (GRO)-C6-C10

Job ID: 880-48778-1 Client: Carmona Resources SDG: Eddy County, New Mexico Project/Site: Spill #2

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

Lab Sample ID: MB 860-188846/1-A **Matrix: Water** 

Analysis Batch: 189324

Client Sample ID: Method Blank

Prep Type: Total/NA **Prep Batch: 188846** 

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<5.00	U	5.00	mg/L		09/23/24 08:22	09/25/24 08:53	1
C10-C28)								
Oil Range Organics (Over C28-C36)	<5.00	U	5.00	mg/L	-	09/23/24 08:22	09/25/24 08:53	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 135	09/23/24 08:22	09/25/24 08:53	1
o-Terphenyl	102		70 - 135	09/23/24 08:22	09/25/24 08:53	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-188846/2-A **Matrix: Water** Prep Type: Total/NA Analysis Batch: 189324 **Prep Batch: 188846** LCS LCS

Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 100 105.0 105 70 - 135 mg/L (GRO)-C6-C10 Diesel Range Organics (Over 100 102.3 102 70 - 135 mg/L C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 135
o-Terphenyl	91		70 <sub>-</sub> 135

Lab Sample ID: LCSD 860-188846/3-A

**Matrix: Water** 

Analysis Batch: 189324

Client Sar	nple ID:	Lab C	ontrol	Sampl	e Dup
		P	rep Ty	pe: To	tal/NA

**Prep Batch: 188846** 

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	100	107.2		mg/L					
(GRO)-C6-C10									
Diesel Range Organics (Over	100	106.1		mg/L					
C10-C28)									

LCSD LCSD

Surrogate %Recovery Qualifier Limits

1-Chlorooctane

o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91065/3 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 91065** 

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500		ma/L			09/20/24 23:48	1

Spike

Added

25.0

Spike

Added

25.0

Spike

Added

1250

Client: Carmona Resources Job ID: 880-48778-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

LCS LCS

LCSD LCSD

MS MS

Qualifier

Result Qualifier

24.24

24.29

Result

1884

Result Qualifier

Unit

mg/L

Unit

mg/L

Unit

mg/L

Prep Type: Total/NA

Prep Type: Total/NA

RPD

Prep Type: Total/NA

0

**Client Sample ID: Lab Control Sample** 

%Rec

Limits

90 - 110

%Rec

Limits

90 - 110

%Rec

Limits

90 - 110

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Matrix Spike

Client Sample ID: Lab Control Sample Dup

%Rec

%Rec

97

100

D

97

RPD

Limit

20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-91065/4 **Matrix: Water** 

Analysis Batch: 91065

Analyte

Chloride

Chloride

Chloride Lab Sample ID: LCSD 880-91065/5

**Matrix: Water Analysis Batch: 91065** 

Analyte

Lab Sample ID: 880-48492-A-2 MS **Matrix: Water** 

Analysis Batch: 91065

Analyte

Chloride

Lab Sample ID: 880-48492-A-2 MSD **Matrix: Water** 

**Analysis Batch: 91065** 

Analyte

Sample Sample Spike Result Qualifier Added 634

Sample Sample

634

Result Qualifier

MSD MSD Result 1250 1883

Qualifier Unit mg/L

%Rec 100

Limits 90 - 110

%Rec

RPD RPD Limit

Prep Type: Total/NA

# **QC Association Summary**

Client: Carmona Resources

Job ID: 880-48778-1
Project/Site: Spill #2

SDG: Eddy County, New Mexico

**GC VOA** 

Prep Batch: 91106	,
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91106/5-A	Method Blank	Total/NA	Water	5035	

**Analysis Batch: 91395** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	8021B	
MB 880-91106/5-A	Method Blank	Total/NA	Water	8021B	91106
MB 880-91395/39	Method Blank	Total/NA	Water	8021B	
LCS 880-91395/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-91395/35	Lab Control Sample Dup	Total/NA	Water	8021B	
880-48712-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-48712-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 91484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	Total BTEX	

GC Semi VOA

# Analysis Batch: 188805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	8015B NM	188846

**Prep Batch: 188846** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	8015NM Aq Prep	
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Ag Prep	

Analysis Batch: 189324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015B NM	188846
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015B NM	188846
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	188846

Analysis Batch: 189832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	8015 NM	

### HPLC/IC

### Analysis Batch: 91065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-48778-1	Playa Lake Water	Total/NA	Water	300.0	
MB 880-91065/3	Method Blank	Total/NA	Water	300.0	
LCS 880-91065/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-91065/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-48492-A-2 MS	Matrix Spike	Total/NA	Water	300.0	
880-48492-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

### **Lab Chronicle**

Client: Carmona Resources

Job ID: 880-48778-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Client Sample ID: Playa Lake Water

Date Collected: 09/20/24 00:00 Date Received: 09/20/24 13:45 Lab Sample ID: 880-48778-1

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	91395	09/22/24 09:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91484	09/22/24 09:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			189832	09/24/24 03:47	TTD	EET HOU
Total/NA	Prep	8015NM Aq Prep			28.7 mL	3 mL	188846	09/23/24 08:22	TH	EET HOU
Total/NA	Analysis	8015B NM		1			188805	09/24/24 03:47	W1N	EET HOU
Total/NA	Analysis	300.0		2000			91065	09/21/24 02:49	СН	EET MID

### Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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# **Accreditation/Certification Summary**

Client: Carmona Resources

Job ID: 880-48778-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

### **Laboratory: Eurofins Midland**

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

Authority	Prograr	n	Identification Number	<b>Expiration Date</b>
Texas	NELAP		T104704400	06-30-25
• ,	es are included in this report, but does not offer certification.	the laboratory is not certif	ied by the governing authority. This lis	t may include analytes
Analysis Mathad	Prop Mothod	Matrix	Analyta	
Analysis Method	Prep Method	Matrix	Analyte	
Analysis Method 300.0 Total BTEX	Prep Method	Matrix Water Water	Analyte Chloride Total BTEX	

### **Laboratory: Eurofins Houston**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	<b>Expiration Date</b>
Arkansas DEQ	State	88-00759	08-03-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

**Eurofins Midland** 

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# **Method Summary**

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48778-1 SDG: Eddy County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Ag Prep	Microextraction	SW846	EET HOU

### Protocol References:

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

### Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# **Sample Summary**

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48778-1

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48778-1	Playa Lake Water	Water	09/20/24 00:00	09/20/24 13:45

880-48778 Chain of Custody

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															Page		
Project Manager:	Devin Dominguez	nez			Bill to: (if different)	fferent)	Cai	Carmona Resources	sonices					Work Order Comments	Comments		
Company Name:	Carmona Resources	ources			Company Name:	Name:						Program	Program: UST/PST PRP		brownfields   RRC	Duperfund	
Address:	310 W Wall St Ste 500	t Ste 500			Address:							State of Project:	Project				
City, State ZIP:	Midland, TX 79701	9701			City, State ZIP:	ZIP:						Reportin	g:Level II 🔲 L	Reporting:Level II Level III PST/UST		☐RRP ☐ Level IV ☐	$\overline{}$
Phone:	432-701-5475			Email:		na@carm	mcarmona@carmonaresources.com	ces.com				Deliveral	Deliverables: EDD	ADaF	ADaPT Other:	ler.	
Project Name:		Spill #2	1#2	Tum	n Around					ANA	ANALYSIS REQUEST	QUEST			Preser	Preservative Codes	
Project Number:		2511	11	☑ Routine	Rush		Pres. Code								None: NO	DI Water: H <sub>2</sub> O	0
Project Location	Ш	Eddy County,	Eddy County, New Mexico	Due Date:	Standard	lard									Cool: Cool	MeOH: Me	
Sampler's Name:		DD & PB	r PB					(O)							HCL: HC	HNO <sub>3</sub> : HN	
PO #:			,				S.	W +	_						H <sub>2</sub> S04: H <sub>2</sub>	NaOH: Na	
SAMPLE RECEIPT		mp Blank:	Yes	Wet Ice:		No	netei	ова	0.00						H <sub>3</sub> PO <sub>4</sub> : HP		
Received Intact:	<b>)</b> *	Yes No	Thermometer ID:		ナイ	*			)£ 9)						NaHSO4: NABIS	BIS	
Cooler Custody Seals:	Ils: Yes No	No MIA	Correction Factor:		1.		Pa X3:		bino						Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	SO <sub>3</sub>	
Sample Custody Seals:	als: Yes No	No AMA	Temperature Reading:		! .		18		СЫ						Zn Acetate+NaOH: Zn	VaOH: Zn	
Total Containers:	-		Corrected Temperature:		7			108	_					_	NaOH+Asco	NaOH+Ascorbic Acid: SAPC	
						Grah	90	Hd.						_			T
Sample Identification	ntification	Date	Time	Soil	Water		Cont	L							Sampl	Sample Comments	
Playa Lake Water	te Water	9/20/2024			×	ပ	× 9	×	×				_				
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Comments: Ema	il to Mike Carm	nona / Mcarm	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Co	es.com and Co	onner Moc	hring / C	moehring	@carm	nner Moehring / Cmoehring@carmonaresources.com	ces.com		-					
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		Relinquis	Relinquished by: (Signature)				Dat	Date/Time			Re	Received by: (Signature)	(Signature)			J Date/Time	
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# **Chain of Custody Record**

Ver: 05/06/2024					/						- 1	
			Remarks.	Cooler reinperaure(s) Cand Outer Remarks.	et remperation	Ç	i				es a No	Custody Seals  ∆ Yes ∆
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Company		Date/Time:		J	Received by:	Rece	Company			Date/Time:	dby	Relinquished by
Company		Cate Inte			Received by:	Zeco	Company			Date/Ilme:		Relinquished by
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Months	Archive For		Disposal By Lab	311	Return To Client	Snania R		3		Dimen Deliver	N III II II II II	Unconfirmed
month)	e assessed if samples are retained longer than 1 month)	imples are retail	assessed if sa	Sample Disposal ( A fee may be	Disposal (	Sample					Possible Hazard Identification	ossible.
ubcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the Testing South Central, LLC laboratory or other instructions will be provided. Any changes to f Custody attesting to said compilance to Eurofins Environment Testing South Central, LLC.	ment is forwarded unde other instructions will be Eurofins Environment Te	ss. This sample ships it, LLC laboratory or o said compliance to E	contract laboratories string South Central lustody attesting to s	nce upon our sub is Environment Te signed Chain of C	ditation compliant to the Eurofinate, return the	yte & accred shipped bac current to d	p of method, anali amples must be a ccreditations are	es the ownershi   analyzed, the s f all requested a	ntral, LLC place ts/matrix being immediately.	nt Testing South Cer sove for analysis/tes ontral LLC attention i	Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our sulaboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of	ote: Since I boratory do creditation
			-									
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	2				×	×	Water	ဓ	Mountain	9/20/24	Playa Lake Water (880-48778-1)	laya Laku
	X					$\hat{X}$	Preservation Code: >	Preservat	X	$\langle \rangle$	111	
Special Instructions/Note:	Total Number Special Ir				8015MOD_Cale	Perform MS/N 8015MOD_NM/	Matrix (Wavelet, Salid) Converte/oil. (Onverte/oil. (Onver	Sample Type (C=comp,	Sample Time	Sample Date	Sample Identification Client ID (Lab ID)	ample id
	Other					ASD (	Sam			SSOW#:		Site
	garrier (C.					Yes o	ale IV			Project #: 88001287		Project Name: Spill #2
	ers.					No)	s or			WO#:		€maít:
							VO)			PO#	Phone: 281-240-4200(Tel)	hone: 281-240-4;
	· · · · · · · · · · · · · · · · · · ·					н						State, Zip: TX, 77477
									íays):	TAT Requested (days):		City- Stafford
ides:	Preservation Codes:		Requested	Analysis R				I	red:	Due Date Requested: 9/26/2024	Address: 4145 Greenbriar Dr	idress: 145 Gree
	880-48778-1			e note):	Accreditations Required (See note): NELAP Texas	ccreditations	Z.Þ				nt Testing South Centr	ompany: urofins E
	Page: Page 1 of 1		State of Origin: New Mexico	us.com	@et.eurofins	a.Kramer(	E-Mail: Jessic:			Phone:		lent Contar hipping/R
	COC No: 880-11391 1	No(s):	Carrier Tracking No(s):			Lab PM: Kramer Jessica	Lab PM: Kramei			Sampler	(Sub Contract Lab)	lent In
Environment Testing	eurofins					cord	Chain of Custody Record	of Cus	Chain		1211 W Florida Ave Midland, TX 79701 Phone: 432-704-5440	211 W F idland, 10ne: 43:
			G LE LE								Eurofins Midland	urofir

# **Login Sample Receipt Checklist**

Client: Carmona Resources Job Number: 880-48778-1

SDG Number: Eddy County, New Mexico

Login Number: 48778
List Source: Eurofins Midland
List Number: 1

Creator: Vasquez, Julisa

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

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# **Login Sample Receipt Checklist**

Client: Carmona Resources Job Number: 880-48778-1

SDG Number: Eddy County, New Mexico

Login Number: 48778 **List Source: Eurofins Houston** List Number: 2 Creator: Baker, Jeremiah

List Creation: 09/21/24 01:11 PM

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

Page 20 of 20

<6mm (1/4").



January 20, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MEWBOURNE - BLOOMING ONION

Enclosed are the results of analyses for samples received by the laboratory on 01/14/25 14:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



01/09/2025

Soil

### Analytical Results For:

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

Received: 01/14/2025 Sampling Date: Reported: 01/20/2025 Sampling Type:

Project Name: MEWBOURNE - BLOOMING ONION Sampling Condition:

Cool & Intact Project Number: 2511 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO., NM

### Sample ID: CS - 1 (1') (H250192-01)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9060	16.0	01/15/2025	ND	464	116	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: CS - 2 (1') (H250192-02)

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	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6530	16.0	01/15/2025	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	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 Sampling Type: MEWBOURNE - BLOOMING ONION Sampling Condition:

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025 Soil

Sample Received By:

Cool & Intact Shalyn Rodriguez

### Sample ID: CS - 3 (1') (H250192-03)

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	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	01/15/2025	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	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: CS - 4 (1') (H250192-04)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	01/15/2025	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	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Applyzod By: 14

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Shalyn Rodriguez

### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/14/2025Sampling Date:01/09/202501/20/2025Sampling Type:SoilMEWBOURNE - BLOOMING ONIONSampling Condition:Cool & Intact

Sample Received By:

Project Number: 2511

Project Name:

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 5 (1') (H250192-05)

Analyte	mg,	mg/kg		Analyzed By: JH					
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	< 0.300	0.300	01/15/2025	ND					

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM
Surroguie. 4-Bromojiuorovenzene (1 1D	114 /0	/1.5-154	

Chloride, SM4500Cl-B	mg/kg		Analyzed By: nM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6530	16.0	01/15/2025	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	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134 Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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01/09/2025

Soil

### Analytical Results For:

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

01/14/2025 Sampling Date: 01/20/2025 Sampling Type:

Applyzod By: 14

Reported: 01/20/2025 Project Name: MEWBOURN

MEWBOURNE - BLOOMING ONION Sampling Condition: Cool & Intact
2511 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO., NM

### Sample ID: CS - 6 (1') (H250192-06)

Received:

RTFY 8021R

Project Number:

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6260	16.0	01/15/2025	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	95.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: CS - 7 (1') (H250192-07)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	01/15/2025	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	97.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

Applyzod By: 14

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

## Sample ID: CS - 8 (1') (H250192-08)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	01/15/2025	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

Applyzod By: 14

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

 01/14/2025
 Sampling Date:
 01/09/2025

 01/20/2025
 Sampling Type:
 Soil

Project Name: MEWBOURNE - BLOOMING ONION
Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

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

### Sample ID: CS - 9 (1') (H250192-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	01/15/2025	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

Project Name: MEWBOURNE - BLOOMING ONION

Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: CS - 10 (1') (H250192-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 %	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	01/15/2025	ND	464	116	400	3.51	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	97.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025

Sampling Date: 01/09/2025

Reported: 01/20/2025
Project Name: MEWBOURNE - BLOOMING ONION

Sampling Type: Soil

Project Number: 2511

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

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 11 (1') (H250192-11)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	01/15/2025	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	86.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.8	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

 01/14/2025
 Sampling Date:
 01/09/2025

 01/20/2025
 Sampling Type:
 Soil

Project Name: MEWBOURNE - BLOOMING ONION
Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

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

## Sample ID: CS - 12 (1') (H250192-12)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	01/15/2025	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.0	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: CS - 13 (1') (H250192-13)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	01/15/2025	ND	464	116	400	3.51	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.0	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 Sampling Type:
MEWBOURNE - BLOOMING ONION Sampling Condition:

Analyzed By: JH

Sampling Date:

Project Name: MEWBO Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

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

01/09/2025

### Sample ID: CS - 14 (1') (H250192-14)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	01/15/2025	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.2	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025

Sampling Date: 01/09/2025

Reported: 01/20/2025
Project Name: MEWBOURNE - BLOOMING ONION

Sampling Type: Soil

Project Number: 2511

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

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 15 (1') (H250192-15)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	84.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.9	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW
Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

## Sample ID: CS - 16 (1') (H250192-16)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.2	% 49.1-14	8						

Applyzod By: 14

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date: 01/09/2025 01/20/2025 Sampling Type: Soil

Project Name:

MEWBOURNE - BLOOMING ONION Sampling Condition: Cool & Intact Project Number: Sample Received By: 2511 Shalyn Rodriguez

Analyzed By: JH

Project Location: MEWBOURNE - EDDY CO., NM

### Sample ID: CS - 17 (1') (H250192-17)

BTEX 8021B

DIEX GOZID	11197	, kg	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.4	% 49.1-14	8						

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Cool & Intact

### Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date: 01/09/2025 01/20/2025 Sampling Type: Soil

Sampling Condition:

Project Name: MEWBOURNE - BLOOMING ONION Project Number:

Project Location: MEWBOURNE - EDDY CO., NM

Sample Received By: 2511 Shalyn Rodriguez

### Sample ID: CS - 18 (1') (H250192-18)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025

Sampling Date: 01/09/2025

Reported: 01/20/2025
Project Name: MEWBOURNE - BLOOMING ONION

Sampling Type: Soil

Project Number: 2511

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

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 19 (1') (H250192-19)

BTEX 8021B

	<u> </u>			. ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4200	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.3	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 01/14/2025 Sampling Date: 01/09/2025

Reported: 01/20/2025 Sampling Type: Soil MEWBOURNE - BLOOMING ONION

Project Name: Sampling Condition: Cool & Intact Project Number: Sample Received By: 2511 Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO., NM

### Sample ID: CS - 20 (1') (H250192-20)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.9	% 49.1-14	8						

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### Analytical Results For:

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

Sampling Date:

01/09/2025

Reported:

Received:

BTEX 8021B

01/14/2025 01/20/2025

Sampling Type:

Soil

Project Name:

MEWBOURNE - BLOOMING ONION

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

Project Number: Project Location: 2511

MEWBOURNE - EDDY CO., NM

Sample ID: CS - 21 (1') (H250192-21)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 %	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	81.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.7	% 49.1-14	8						

Analyzed By: JH

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Shalyn Rodriguez

### Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date: 01/09/2025 01/20/2025 Sampling Type: Soil MEWBOURNE - BLOOMING ONION Sampling Condition: Cool & Intact

Sample Received By:

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 22 (1') (H250192-22)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4						
Summarata: 1 Chlomocatadacana	90.1	0/ 40.1.14	10						

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 23 (1') (H250192-23)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	87.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.0	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 Sampling Type: Soil
MEWBOURNE - BLOOMING ONION Sampling Condition: Coo

Project Name: MEWBOURNE - BLOOMING ONION
Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sample Received By:

Cool & Intact Shalyn Rodriguez

# Sample ID: CS - 24 (1') (H250192-24)

BTEX 8021B

	9/	9	71.14.1, = 0	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.8	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: CS - 25 (1') (H250192-25)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.0	% 49.1-14	8						

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Shalyn Rodriguez

### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/14/2025Sampling Date:01/09/202501/20/2025Sampling Type:SoilMEWBOURNE - BLOOMING ONIONSampling Condition:Cool & Intact

Sample Received By:

Project Name: MEW
Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 26 (1') (H250192-26)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date: 01/09/2025 01/20/2025 Sampling Type: Soil

Project Name:

MEWBOURNE - BLOOMING ONION Sampling Condition: Cool & Intact Sample Received By: Project Number: 2511 Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO., NM

## Sample ID: CS - 27 (1') (H250192-27)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.5	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 28 (1') (H250192-28)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.2	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

## Sample ID: CS - 29 (1') (H250192-29)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1900	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

Applyzod By: 14

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025 Sampling Date: 01/09/2025 Sampling Type: Soil

Project Name: MEWBOURNE - BLOOMING ONION Project Number: 2511

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

Project Location: MEWBOURNE - EDDY CO., NM

### Sample ID: CS - 30 (1') (H250192-30)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.2	% 49.1-14	8						

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### Analytical Results For:

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

01/14/2025 01/20/2025

MEWBOURNE - BLOOMING ONION

Project Number: 2511

Received:

Reported:

Project Name:

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: CS - 31 (1') (H250192-31)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	88.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 32 (1') (H250192-32)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1810	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

 01/14/2025
 Sampling Date:
 01/09/2025

 01/20/2025
 Sampling Type:
 Soil

Project Name: MEWE Project Number: 2511

MEWBOURNE - BLOOMING ONION Sampling Condition: Cool & Intact
2511 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO., NM

## Sample ID: CS - 33 (1') (H250192-33)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 Sampling Type:
MEWBOURNE - BLOOMING ONION Sampling Condition:

Analyzed By: JH

Project Name: MEW
Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025 Sampling Type: Soil

Sample Received By:

Cool & Intact Shalyn Rodriguez

Sample ID: CS - 34 (1') (H250192-34)

BTEX 8021B

DILX OUZID	iiig/	ng .	Andryzo	u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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01/09/2025

### Analytical Results For:

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

Fax

Received: 01/14/2025 Sampling Date:

Reported: 01/20/2025 Sampling Type: Soil

Project Name: MEWBOURNE - BLOOMING ONION Sampling Condition: Cool & Intact
Project Number: 2511 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: MEWBOURNE - EDDY CO., NM

### Sample ID: CS - 35 (1') (H250192-35)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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01/09/2025

Shalyn Rodriguez

### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 Sampling Type: Soil
MEWBOURNE - BLOOMING ONION Sampling Condition: Cool & Intact

Analyzed By: JH

Sampling Date:

Sample Received By:

Project Number: 2511

Project Name:

BTEX 8021B

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 36 (1') (H250192-36)

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: CS - 37 (1') (H250192-37)

RTFY 8021R

B1EX 8021B	mg,	кg	Апануге	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Applyzod By: 14

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date: 01/09/2025 01/20/2025 Sampling Type: Soil

Project Name: MEWBOURNE - BLOOMING ONION Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: CS - 38 (1') (H250192-38)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date: 01/20/2025 Sampling Type:

Project Name: MEWBOURNE - BLOOMING ONION Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM 01/09/2025 Soil

Sampling Condition:

Sample Received By:

Cool & Intact Shalyn Rodriguez

## Sample ID: CS - 39 (1') (H250192-39)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	95.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	6 49.1-14	8						

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Cool & Intact

### Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date: 01/09/2025 01/20/2025 Sampling Type: Soil

Sampling Condition:

Project Name: MEWBOURNE - BLOOMING ONION

Project Number: Sample Received By: 2511 Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO., NM

## Sample ID: CS - 40 (1') (H250192-40)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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### Analytical Results For:

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

Sampling Date:

01/09/2025

Reported:

Received:

BTEX 8021B

01/14/2025 01/20/2025

83.2 %

92.6 %

48.2-134

49.1-148

Sampling Type:

Soil

Project Name:

MEWBOURNE - BLOOMING ONION

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

Project Number: Project Location: 2511

MEWBOURNE - EDDY CO., NM

Sample ID: CS - 41 (1') (H250192-41)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	< 0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	- "	B		M (I   101   1	DC	0/ D	T 1/1 00	DDD	Qualifier
. ,	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	% Recovery	200	3.61	Qualifiei
•			•			,	•		Quainei
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	Qualifiei

Analyzed By: JH

Cardinal Laboratories

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025 Sampling Date: 01/09/2025

Reported: Project Name: Sampling Type: Soil

Project Number: 2511

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

Project Location: MEWBOURNE - EDDY CO., NM

MEWBOURNE - BLOOMING ONION

Sample ID: CS - 42 (1') (H250192-42)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 Samplin
MEWBOURNE - BLOOMING ONION Samplin

Project Name: MEWBOURNE - BLOC Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 43 (1') (H250192-43)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1560	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Applyzod By: 14

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 44 (1') (H250192-44)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	93.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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### Analytical Results For:

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

1 47

01/14/2025

Sampling Date:

01/09/2025

Reported: Project Name:

Received:

BTEX 8021B

01/20/2025

Sampling Type: Sampling Condition: Soil Cool & Intact

Project Number:

MEWBOURNE - BLOOMING ONION 2511

Sample Received By:

Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 45 (1') (H250192-45)

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	QM-07
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



Shalyn Rodriguez

### Analytical Results For:

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

Fax

Received: 01/14/2025 Sampling Date: 01/09/2025

Reported: 01/20/2025 Sampling Type: Soil
Project Name: MEWBOURNE - BLOOMING ONION Sampling Condition: Cool & Intact

Project Number: 2511 Sample Received By:

Project Location: MEWBOURNE - EDDY CO., NM

### Sample ID: CS - 46 (1') (H250192-46)

RTFY 8021R

B1EX 8021B	mg,	кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: CS - 47 (1') (H250192-47)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date: 01/09/2025 01/20/2025 Sampling Type: MEWBOURNE - BLOOMING ONION

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Soil Sampling Condition: Cool & Intact

Sample Received By:

Shalyn Rodriguez

### Sample ID: CS - 48 (1') (H250192-48)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Fax To:

Received: 01/14/2025 Sampling Date: 01/09/2025

Reported: 01/20/2025 Project Name: MEWBOURNE - BLOOMING ONION Sampling Type: Soil

Project Number: 2511 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 49 (1') (H250192-49)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1970	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025 Sampling Date: 01/09/2025 Sampling Type: Soil

Project Name: MEWBOURNE - BLOOMING ONION

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

Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 50 (1') (H250192-50)

BTEX 8021B

	9/	9	7	<u></u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1970	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: CS - 51 (1') (H250192-51)

BTEX 8021B

DILX GOZID	iiig/	, kg	Andryzo	u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

MEWBOURNE - BLOOMING ONION

Project Number: 2511

Project Name:

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 52 (1') (H250192-52)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Celey D. Keene



Shalyn Rodriguez

### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/14/2025Sampling Date:01/09/202501/20/2025Sampling Type:SoilMEWBOURNE - BLOOMING ONIONSampling Condition:Cool & Intact

Project Name: MEWBOURNE - BLOOMING ONION
Project Number: 2511

Project Number: 2511 Sample Received By:

Project Location: MEWBOURNE - EDDY CO., NM

### Sample ID: CS - 53 (1') (H250192-53)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2290	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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Cool & Intact

Shalyn Rodriguez

### Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date: 01/09/2025 01/20/2025 Sampling Type: Soil

Sampling Condition:

Sample Received By:

Project Name: MEWBOURNE - BLOOMING ONION Project Number: 2511

Sample ID: CS - 54 (1') (H250192-54)

Project Location: MEWBOURNE - EDDY CO., NM

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	01/15/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

 01/14/2025
 Sampling Date:
 01/09/2025

 01/20/2025
 Sampling Type:
 Soil

Project Name: MEWBOURNE - BLOOMING ONION
Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Type: Soil
Sampling Condition: Cool & Intact

Sample Received By:

Shalyn Rodriguez

### Sample ID: CS - 55 (1') (H250192-55)

BTEX 8021B

DILX GOZID	iiig/	ng .	Andryzo	u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.8	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

Project Name: MEWBOURNE - BLOOMING ONION

Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 56 (1') (H250192-56)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 57 (1') (H250192-57)

RTFY 8021R

B1EX 8021B	mg/	кg	Апануге	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

Applyzod By: 14

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 Sampling Type: MEWBOURNE - BLOOMING ONION Sampling Condition:

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Soil

Sample Received By:

Cool & Intact Shalyn Rodriguez

### Sample ID: CS - 58 (1') (H250192-58)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	< 0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	112 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	6 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 59 (1') (H250192-59)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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01/09/2025

Shalyn Rodriguez

### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 Sampling Type: Soil Sampling Condition: Cool & Intact

Sampling Date:

Sample Received By:

Project Name: MEWBOURNE - BLOOMING ONION Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 60 (1') (H250192-60)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2210	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Shalyn Rodriguez

### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/14/2025Sampling Date:01/09/202501/20/2025Sampling Type:SoilMEWBOURNE - BLOOMING ONIONSampling Condition:Cool & Intact

Sample Received By:

Project Name: MEWE Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 61 (1') (H250192-61)

BTEX 8021B

	9	9							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
	101	0/ /0.1.1							

Analyzed By: JH

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: CS - 62 (1') (H250192-62)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Applyzod By: 14

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 63 (1') (H250192-63)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/16/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	104 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	6 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 64 (1') (H250192-64)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.95	97.3	2.00	3.37	
Toluene*	<0.050	0.050	01/16/2025	ND	2.09	104	2.00	3.35	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	3.51	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.01	100	6.00	3.53	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	115 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025 Sampling Date: 01/09/2025 Sampling Type: Soil

Project Name:

BTEX 8021B

MEWBOURNE - BLOOMING ONION

Sampling Condition: Cool & Intact

Project Number: 2511

Sample Received By:

Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO., NM

# Sample ID: CS - 65 (1') (H250192-65)

DIEX GOZID	ıııg,	ng .	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

01/14/2025 Reported: 01/20/2025

Project Name: MEWBOURNE - BLOOMING ONION

Project Number: 2511

Received:

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: CS - 66 (1') (H250192-66)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 67 (1') (H250192-67)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	01/15/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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### Analytical Results For:

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

Fax To:

Received: 01/14/2025 Reported: 01/20/2025

Project Name: MEWBOURNE - BLOOMING ONION

Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 68 (1') (H250192-68)

RTFY 8021R

B1EX 8021B	mg,	rkg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	01/16/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Applyzod By: 14

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### Analytical Results For:

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

Fax To:

Received: 01/14/2025 01/20/2025 Sampling Date: 01/09/2025 Sampling Type: Soil

Reported: Project Name: MEWBOURNE - BLOOMING ONION

Sampling Condition: Cool & Intact

Project Number: 2511 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 69 (1') (H250192-69)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	01/16/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	108 9	26 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

Project Name: MEWBOURNE - BLOOMING ONION

Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: CS - 70 (1') (H250192-70)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	01/16/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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# Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 71 (1') (H250192-71)

RTFY 8021R

B1EX 8021B	mg,	rkg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	01/16/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Applyzod By: 14

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Celey & Keene



# Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 Sampling Type: Soil
MEWBOURNE - BLOOMING ONION Sampling Condition: Coo

Sampling Date:

Project Name: MEW
Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

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

01/09/2025

### Sample ID: CS - 72 (1') (H250192-72)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	01/16/2025	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Applyzod By: 14

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 73 (1') (H250192-73)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	01/16/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

Project Name: MEWBOURNE - BLOOMING ONION

Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: CS - 74 (1') (H250192-74)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	01/16/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	6 49.1-14	8						

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01/09/2025

Cool & Intact

Shalyn Rodriguez

Soil

### Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 Sampling Type:
MEWBOURNE - BLOOMING ONION Sampling Condition:

Analyzed By: JH

Sampling Date:

Sample Received By:

Project Name: MEWBOURNE - BLOOMING ONION
Project Number: 2511

108 %

49.1-148

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: CS - 75 (1') (H250192-75)

BTEX 8021B

	91	9	,						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	01/16/2025	ND	448	112	400	0.00	QM-07
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
·	Result <10.0	Reporting Limit 10.0	Analyzed 01/15/2025	Method Blank	BS 211	% Recovery	True Value QC 200	RPD 7.44	Qualifier
GRO C6-C10*		. 3	•			,	·		Qualifier
Analyte  GRO C6-C10*  DRO >C10-C28*  EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	Qualifier

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Surrogate: 1-Chlorooctadecane



### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

### Sample ID: SW - 1 (1') (H250192-76)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	< 0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	106 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	6 49.1-14	8						

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### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

# Sample ID: SW - 2 (1') (H250192-77)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	< 0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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01/09/2025

### Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 Sampling Type: Soil

Sampling Date:

Project Name: MEWBOURNE - BLOOMING ONION

Sampling Condition: Cool & Intact Project Number: Sample Received By: 2511 Shalyn Rodriguez

Applyzod By: 14

Project Location: MEWBOURNE - EDDY CO., NM

# Sample ID: SW - 3 (1') (H250192-78)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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## Analytical Results For:

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

01/14/2025 Reported: 01/20/2025

Project Name: MEWBOURNE - BLOOMING ONION

Project Number: 2511

Received:

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

## Sample ID: SW - 4 (1') (H250192-79)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	< 0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	89.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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## Analytical Results For:

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

01/14/2025

Sampling Date:

01/09/2025

Reported: Project Name:

Received:

BTEX 8021B

01/20/2025

Sampling Type: Sampling Condition: Soil Cool & Intact

Project Number:

2511

MEWBOURNE - BLOOMING ONION

Sample Received By:

Shalyn Rodriguez

Project Location:

MEWBOURNE - EDDY CO., NM

## Sample ID: SW - 5 (1') (H250192-80)

				<u> </u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1970	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

Analyzed By: JH

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\*=Accredited Analyte

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## Analytical Results For:

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

Fax To:

Received: 01/14/2025 Sampling Date:

Reported: 01/20/2025 Sampling Type: Project Name: MEWBOURNE - BLOOMING ONION Sampling Condition:

Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM 01/09/2025 Soil

Sample Received By:

Cool & Intact Shalyn Rodriguez

## Sample ID: SW - 6 (1') (H250192-81)

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	01/16/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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## Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date: 01/09/2025 01/20/2025 Sampling Type: Soil

Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Project Name: MEWBOURNE - BLOOMING ONION Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: SW - 7 (1') (H250192-82)

BTEX 8021B

DILX GOZID	11197	K9	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

Analyzed By: JH

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## Analytical Results For:

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

Fax To:

Received: 01/14/2025 Sampling Date: 01/09/2025 Sampling Type: Soil

Reported: Project Name:

BTEX 8021B

01/20/2025 MEWBOURNE - BLOOMING ONION

Sampling Condition: Cool & Intact

Project Number: 2511 Sample Received By:

Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: SW - 8 (1') (H250192-83)

	91	/ <del>J</del>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
	0.4.0		10						

Analyzed By: JH

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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## Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date: 01/09/2025 01/20/2025 Sampling Type: Soil

Project Name: MEWBOURNE - BLOOMING ONION

Sampling Condition: Cool & Intact Project Number: 2511 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: MEWBOURNE - EDDY CO., NM

## Sample ID: SW - 9 (1') (H250192-84)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.4	% 49.1-14	8						

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## Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date: 01/09/2025 01/20/2025 Sampling Type: Soil

Project Name: Project Number: 2511

MEWBOURNE - BLOOMING ONION Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO., NM

## Sample ID: SW - 10 (1') (H250192-85)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	QM-07
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.8	% 49.1-14	8						

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01/09/2025

Shalyn Rodriguez

## Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 Sampling Type: Soil
MEWBOURNE - BLOOMING ONION Sampling Condition: Cool & Intact

Sampling Date:

Project Name: MEWBOURNE - BLOOMING ONION
Project Number: 2511

Project Number: 2511 Sample Received By: Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: SW - 11 ( 1' ) (H250192-86)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1640	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	99.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 49.1-14	8						

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## Analytical Results For:

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

01/14/2025 01/20/2025

Project Name: MEWBOURNE - BLOOMING ONION

Project Number: 2511

Received:

Reported:

RTFY 8021R

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

## Sample ID: SW - 12 (1') (H250192-87)

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Applyzod By: 14

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## Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 S MEWBOURNE - BLOOMING ONION S

Project Name: MEW Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

## Sample ID: SW - 13 (1') (H250192-88)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

Analyzed By: JH

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Celey D. Keene



## Analytical Results For:

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

Received: 01/14/2025

Sampling Date: 01/09/2025

Reported: 01/20/2025
Project Name: MEWBOURNE - BLOOMING ONION

Sampling Type: Soil

Project Number: 2511

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

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: SW - 14 (1') (H250192-89)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Number: 2511

Project Name:

RTFY 8021R

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

## Sample ID: SW - 15 (1') (H250192-90)

B1EX 8021B	mg,	r Kg	Апануге	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	110 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Applyzod By: 14

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## Analytical Results For:

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

Received: 01/14/2025

Sampling Date: 01/09/2025

Reported: 01/20/2025
Project Name: MEWBOURNE - BLOOMING ONION

Sampling Type: Soil

Project Number: 2511

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

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: SW - 16 (1') (H250192-91)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

Analyzed By: JH

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## Analytical Results For:

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

01/14/2025 01/20/2025

Project Name: MEWBOURNE - BLOOMING ONION

Project Number: 2511

Received:

Reported:

BTEX 8021B

Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025

Sampling Type: Soil

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

## Sample ID: SW - 17 (1') (H250192-92)

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	97.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	8						

Analyzed By: JH

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## Analytical Results For:

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

Received: 01/14/2025

Sampling Date: 01/09/2025 Sampling Type: Soil

Reported: 01/20/2025
Project Name: MEWBOURNE - BLOOMING ONION

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

Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: SW - 18 (1') (H250192-93)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Analyzed By: JH

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## Analytical Results For:

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

Fax

Received: 01/14/2025 Sampling Date: 01/09/2025

Reported: 01/20/2025 Sampling Type: Soil

Project Name: MEWBOURNE - BLOOMING ONION Sampling Condition: Cool & Intact
Project Number: 2511 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: MEWBOURNE - EDDY CO., NM

## Sample ID: SW - 19 (1') (H250192-94)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	01/16/2025	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.0	% 49.1-14	8						

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# Analytical Results For:

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

Received: 01/14/2025

Sampling Date: 01/09/2025

Reported: 01/20/2025
Project Name: MEWBOURNE - BLOOMING ONION

Sampling Type: Soil

Project Number: 2511

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

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: SW - 20 (1') (H250192-95)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	01/16/2025	ND	432	108	400	0.00	QM-07
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date: 01/09/2025 01/20/2025 Sampling Type: Soil

Project Name: MEWBOURNE - BLOOMING ONION

Sampling Condition: Cool & Intact Project Number: Sample Received By: 2511 Shalyn Rodriguez

Analyzed By: JH

Project Location: MEWBOURNE - EDDY CO., NM

## Sample ID: SW - 21 (1') (H250192-96)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	01/16/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.4	% 49.1-14	8						

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## Analytical Results For:

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

Received: 01/14/2025 01/20/2025 Sampling Date: 01/09/2025 Soil

Reported: Project Name:

BTEX 8021B

Sampling Type:

MEWBOURNE - BLOOMING ONION Project Number: 2511

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

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: SW - 22 (1') (H250192-97)

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/16/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	01/16/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



## Analytical Results For:

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

Received: 01/14/2025 Reported: 01/20/2025 Sampling Date: 01/09/2025 Sampling Type: Soil

Project Name: MEWBOURNE - BLOOMING ONION

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

Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM

Sample ID: SW - 23 (1') (H250192-98)

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/16/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	01/16/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.5	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Kune



## Analytical Results For:

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

Received: 01/14/2025 Reported:

01/20/2025 MEWBOURNE - BLOOMING ONION

Project Name: Project Number: 2511

Project Location: MEWBOURNE - EDDY CO., NM Sampling Date: 01/09/2025

Sampling Type: Soil

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

## Sample ID: SW - 24 (1') (H250192-99)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/16/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/16/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	101 % 71.5-134  mg/kg esult Reporting Limit Ana	4						
Chloride, SM4500CI-B	mg/		Analyze	d By: KV					
Analyte	Result		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	01/16/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

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Celey D. Keene



## **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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Celeg D. Freene

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	0 CS-10 (1")   1/9/2025   X   C   1   X   X   X	9 CS-9 (1") 1/9/2025 X C 1 X X X	S CS-8 (1") 1/9/2025 X C 1 X X X X	CS-7 (1") 1/9/2025 X C 1 X X X	CS-6 (1") 1/9/2025 X CS-1 X X X X X X X X X X X X X X X X X X X	CS-5 (1') 1/9/2025 X CS-5 (1') 1/9/2025	CS-4 (1') 1/9/2025 X C 1 X X X	2 CS-3 (1") 1/9/2025 X C 1 X X X X	CS-2 (1) 1/9/2025 X C 1 X X X	CS-1 (1') 1/9/2025 X C 1 X X X	Sample Identification Date Time Soil Water Comp Cont	Total Containers: Corrected Temperature:	Yes No WA Temperature Reading:	Seals: Yes No N/A Correction Factor:	Yes No Thermometer ID:	DRO	)	Sampler's Name: CMM, JM	Field County No. March 1971	2511 Position Press.	Name: Mewbourne- Blooming Onion	432-813-6823 Email: mcarmona@carmonaresources.com	e ZIP: Midland, TX 79701 City, State ZIP:	310 W Wall St Ste 500 Address:	Company Name: Carmona Resources Company Name: Program:	Project Manager: Conner Moehring Bill to: (if different) Carmona Resources			Chain of Custody	
esources.com											Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	NaHSO <sub>4</sub> : NABIS	H₃PO₄: HP		HCL: HC HNO <sub>3</sub> : HN		None No	ANALYSIS RECUEST Procedurative Codes	Deliverables: EDD ☐ ADaPT ☐ Other:	Reporting:Level II	State of Project:	Program: UST/PST PRP Brownfields RRC upperfund	ces Work Order Comments	Page1 of10	Work Order No: 11350193		

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Date/Time	Received by: (Signature)	8	ie	Date/Time	D			Relinquished by: (Signature)	Relinquishe		
										, c	
		Securicos com	×	×	1 Debri	C	X Conner	na@carmonaresources	1/9/2025	CS-20 (1')   1/9	Comments: Email to
				$\vdash$	-	C	×		1/9/2025	9 (1")	CS-19 (1")
					-	С	×		1/9/2025	8 (1")	CS-18 (1')
			×	×	_	C	×		1/9/2025	7 (1")	CS-17 (1")
			×	×	1	С	×		1/9/2025	6 (1")	CS-16 (1")
			×	×	1	С	×		1/9/2025	5 (1")	S CS-15 (1")
			×	×	1	С	×		1/9/2025	4 (1")	CS-14 (1')
			×	×	_	C	×		1/9/2025	3 (1")	3 CS-13 (1')
			X	×	1	С	×		1/9/2025	2 (1")	S-12 (1")
			×	×	1	С	×		1/9/2025	1 (1")	CS-11 (1')
Sample Comments		E -	TP		# of Cont	ter Comp	Soil Water	Time	Date	ntification	Sample Identification
NaOH+Ascorbic Acid: SAPC			H 80			7.7.	1	Corrected Temperature:	(		Total Containers:
Zn Acetate+NaOH: Zn				_		NV.	1.	Temperature Reading:	No N/A	als: Yes	Sample Custody Seals:
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			_	_	P	O of Oc	1	Correction Factor:	NO N/A	als: Yes	Cooler Custody Seals:
NaHSO <sub>4</sub> : NABIS			de 4	802	arar	C	10	Thermometer ID:	Yes No	G G	Received Intact:
H <sub>3</sub> PO <sub>4</sub> : HP			DRO 500		nete	Yes No	Wet Ice:	Yes No	Temp Blank:		SAMPLE RECEIPT
			) + M		rs			)			PO#:
			RO)				1	M	CMM, JM		Sampler's Name:
Cool: Cool MeOH: Me					_	Standard TAT	Due Date: Sta	еw Мехісо	Eddy County, New Mexico		Project Location
None: NO DI Water: H <sub>2</sub> O					Code	Rush	☑ Routine ☐		2511		Project Number:
Preservative Codes	ANALYSIS REQUEST	ANA				nd	Turn Around	ming Onion	Mewbourne- Blooming Onion		Project Name:
ADaPT Other:	Deliverables: EDD A		com	ources.	nonareso	Email: mcarmona@carmonaresources.com	Email: mca		3	432-813-6823	Phone:
□PST/UST □RRP □ Level IV □	Reporting:Level II  Level III					City, State ZIP:	City,		79701	Midland, TX 79701	City, State ZIP:
	State of Project:					ess:	Address:		St Ste 500	310 W Wall St Ste 500	Address:
Brownfields ☐RRC ☐uperfund	Program: UST/PST PRP					Company Name:	Com		sources	Carmona Resources	Company Name:
Work Order Comments	Work Or	æs	Carmona Resources	Carmon		Bill to: (if different)	Bill t		nring	Conner Moehring	Project Manager:
Work Order No:	Work Order										
			tody	SIL	n of (	Chain of Custody					

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											<	Work Order No:	EMOSSEN	Page 10
Project Manager:	Conner Moehring			Bill to: (if different)	8	Carmo	Carmona Resources	urces				Work Order Comments	Comments	
	Carmona Resources			Company Name:	De.						Drogram: HST/P	מממו די	784	
	310 W Wall St Ste 500			Address:							State of Project:	State of Project:	willields   Cyc   Inbelliging	
City, State ZIP:	Midland, TX 79701			City, State ZIP:	,7						Reporting:Level II	Reporting:Level II Level III PST/UST	ST/UST   RRP   Level IV	
	432-813-6823		Email	Email: mcarmona@carmonaresources.com	carmonar	esource	s.com				Deliverables: EDD	D ADaPT	Other:	
Project Name:	Mewbourne-	Mewbourne- Blooming Onion	Turn	Turn Around					ANA	YSIS R	ANALYSIS REQUEST		Preservative Codes	
Project Number:		2511	☑ Routine	□ Rush	Pres.								None: NO DI Water: H <sub>2</sub> O	0
Project Location	Eddy Count	Eddy County, New Mexico	Due Date:	Standard TAT	_		)							
PO#:	C	CIVIN, JIVI					MRC							
SAMPLE RECEIPT	PT Temp Blank:	Yes (No	Wet Ice:	Yes No	eters	В		-					H <sub>2</sub> PO <sub>2</sub> : HP	
Received Intact:	Yes			140	aran	802		ue 4:					NaHSO <sub>4</sub> : NABIS	
Sample Custody Seals:	s: Yes No NA	Temperature Reading:		1000	F	BTE	Chlor	Cilior	-				Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Total Containers:				-a.9	6		1 801						NaOH+Ascorbic Acid: SAPC	_
Sample Identification	ification Date	Time	Soil	Water Comp	b/ # of np Cont		TP						Sample Comments	
8 \ CS-21 (1")		25	×	0	1	×	×	Î						
ටට CS-22 (1')	(1') 1/9/2025	5	×	0	1	×	×	×						
23 CS-23 (1')		55	×	0	1	×	×	^						
24 CS-24 (1")		55	×	c	1	×	×	Î						
SS CS-25 (1)		1	×	0 0	+	×	+		-					
CS-27 (1")	(1) 1/9/2025	55   6	×	0		×>	× >		+	1	+			
الا CS-28 (۱)		5	×	0	_	×	$\forall$		+					
<i>ခရီ</i> CS-29 (1')	1/9/2025	5	×	0	1	×	×	^						
Sh CS-30 (1')	1) 1/9/202	5	×	C	1	×	×	^	H					
Comments: Email	to Mike Carmona / Mcar	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	es.com and Cor	nner Moehrin	g / Cmoel	hring@c	armona	resources	s.com					
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	irces.com	onaresou	@carm	loehring	enring / cm	onner Moo	es.com and C	Comments: Email to Mike Carmona/ Mcarmona@carmonaresources.com and Conner Moenring / Cmoenring@carmonaresources.com	carmona / mcarmo	mall to Mike	Colline
		×	×	1 ×	С		×		1/9/2025	CS-40 (1')	so on
		×	×	1 ×	0		×		1/9/2025	CS-39 (1")	30 08
		×	×	1 ×	С		×		1/9/2025	CS-38 (1")	30 00
		×	×	1 ×	0		×		1/9/2025	CS-37 (1')	33
		×	×	1 ×	0		×		1/9/2025	CS-36 (1")	33 03
		×	×	1 ×	0		×		1/9/2025	CS-35 (1')	33 72
		×	×	1 ×	0		×		1/9/2025	CS-34 (1')	33
		×	×	1 ×	0		×		1/9/2025	CS-33 (1')	33
		×	×	1 ×	0		×		1/9/2025	CS-32 (1')	33
		×	×	1 ×	С		×		1/9/2025	CS-31 (1')	000
Sample Comments			TP	# of Cont	Grab/ #	Water	Soil	Time	Date	Sample Identification	Sample
NaOH+Ascorbic Acid: SAPC			H 80		26.	2		Corrected Temperature:			Total Containers:
Zn Acetate+NaOH: Zn		С			ski,	2		Temperature Reading:	Yes No N/A	Seals:	Sample Custody Seals:
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		hlori	l (GF	P	12	20		Correction Factor:	E S	Seals:	Cooler Custody Seals:
NaHSO <sub>4</sub> : NABIS		de 4	_			-t-		Thermometer ID:	es N		Received Intact:
H₃PO₄: HP		1500		mete	No	Yes	Wet Ice:	Yes No	Temp-Blank:	CEIPT	SAMPLE RECEIPT
H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na			D + I	ers		1					#
			MRO		1			JM	CMM, JM	"	Sampler's Name:
Cool: Cool MeOH: Me			)		Standard TAT	Standa	Due Date:	New Mexico	Eddy County, New Mexico		Project Location
None: NO DI Water: H <sub>2</sub> O			$\vdash$	Code	)	□ Bush	☑ Routine		2511		Project Number:
JEST Preservative Codes	ANALYSIS REQUEST			Orace Orace		Turn Around	Tu	oming Onion	Mewbourne- Blooming Onion		Project Name:
Deliverables: EDD		n	ces.cor	naresour	Email: mcarmona@carmonaresources.com	ail: mcarmo	Ema		3-6823	432-813-6823	Phone:
Level III					te ZIP:	City, State ZIP:			Midland, TX 79701	Midland	City, State ZIP:
1						Address:			310 W Wall St Ste 500	310 W	Address:
Program: UST/PST  PRP  Brownfields  RC  uperfund				-	y Name:	Company Name:			Carmona Resources		Company Name:
Work Order Comments		Carmona Resources	rmona R	Ca	different)	Bill to: (if different)			Conner Moehring		Project Manager:
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ge 10											
Work Order No. TWA CON											
<u> </u>		V	otsi	of C	Chain of Custody						
11											
_											

				Cha	Chain of Custody	Cust	ody		Work Order No. 112010	06 of 11
										Page 5 of 10
Project Manager:	Conner Moehring			Bill to: (if different)		Carmona	Carmona Resources		Work Order	ts
Company Name:	Carmona Resources			Company Name:					Program: UST/PST PRP Brov	Brownfields RRC uperfund
Address:	310 W Wall St Ste 500	)		Address:						
City, State ZIP:	Midland, TX 79701			City, State ZIP:					Reporting:Level II Level III PS	□ST/UST □RRP □ Level IV □
Phone:	432-813-6823		Email:	Email: mcarmona@carmonaresources.com	rmonare	sources.	com		Deliverables: EDD	ADaPT ☐ Other:
Project Name:	Mewbourn	Mewbourne- Blooming Onion	Turn /	Turn Around				ANALYSIS REQUEST	QUEST	Preservative Codes
Project Number:		2511	☑ Routine	□ Rush	Pres. Code					None: NO DI Water: H <sub>2</sub> O
Project Location	Eddy Cou	Eddy County, New Mexico	Due Date:	Standard TAT						Cool: Cool MeOH: Me
Sampler's Name:		CMM, JM		) (		мпо	MRO			HCL: HC HNO3: HN
SAMPLE RECEIPT	PT Temp Blank:	Yes No	Wet Ice:	Yes No	eter					U
Received Intact:	Yes No	Thermometer ID:		(	aran		_			NaHSO <sub>4</sub> : NABIS
Cooler Custody Seals: Sample Custody Seals:	× ×	A Correction Factor:  A Temperature Reading:			P	BTEX	Chlor			Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ; NaSO <sub>3</sub>
Total Containers:	(	Corrected Temperature:				1 004	1 801			NaOH+Ascorbic Acid: SAPC
Sample Identification	tification Date	te Time	Soil	Water Comp	# of Cont	TDI	IPI			Sample Comments
(1) CS-41 (1)	(1') 1/9/2025	025	×	0	1	×	×			
Ua CS-42 (1")	(1') 1/9/2025	025	×	0	1	×	×			
U3 CS-43 (1")	(1") 1/9/2025	025	×	С	1	×	×			
		025	×	C	1		×			
0	(1') 1/9/2025	025	×	C	1	×	×			
U(0 CS-46 (1")		025	×	C	_	×	×			
(CS-47 (1)	(1) 1/9/2025	025	×	C	1	×	×			
(CS-48 (1)		025	×	C	_	×				
NO CS-50 (1)		025	× ×	0	-	+	+			
Comments: Email to	to Mike Carmona / Mcarm	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	s.com and Con	ner Moehring /	Cmoeh	ring@ca	armonaresou	urces.com		
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									Work Order No:	Page 107
										Page6 of10
Project Manager:	Conner Moehring			Bill to: (if different)		Carmona	Carmona Resources		Work Ore	Work Order Comments
Company Name:	Carmona Resources			Company Name:					Program: UST/PST PRP	Brownfields RRC uperfund
	310 W Wall St Ste 500			Address:						
e ZIP:	Midland, TX 79701			City, State ZIP:					Reporting:Level II Level III	□ST/UST □RRP □ Level IV □
Phone:	432-813-6823		Email:	Email: mcarmona@carmonaresources.com	rmonares	sources.c	mox		Deliverables: EDD A	ADaPT ☐ Other:
Project Name:	Mewbourne- Blooming Onion	ooming Onion	Turn.	Turn Around				ANALYSIS REQUEST	QUEST	Preservative Codes
Project Number:	2511	1	☑ Routine	□ Rush	Pres. Code					None: NO DI Water: H <sub>2</sub> O
Project Location	Eddy County, New Mexico	New Mexico	Due Date:	Standard TAT						Cool: Cool MeOH: Me
Sampler's Name:	CMM, JM	JM	,			MRO	MICO			
SAMPLE RECEIPT	Temp Blank:	Yes (No	Wet Ice:	Yes No	eter					H <sub>3</sub> PO <sub>4</sub> : HP
Received Intact:	Yes	Thermometer ID:		TO !	arar		_			NaHSO <sub>4</sub> : NABIS
Sample Custody Seals:	s: Yes No NA	Temperature Reading:		- 12. C.	ı	BTE	Chlor			Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn
Total Containers:	(	Corrected Temperature:		ーるらい		1 801				NaOH+Ascorbic Acid: SAPC
Sample Identification	ification Date	Time	Soil	Water Comp	# of Cont	TPI				Sample Comments
S) CS-51 (1")	(1') 1/9/2025		×	C	1	×	×			
9	(1") 1/9/2025		×	C	1	×	×			
53 CS-53 (1')	(1') 1/9/2025		×	C	1	×	×			
	(1") 1/9/2025		×	C	1	×	×			
,	(1') 1/9/2025		×	C	_	×	×			
			×	C	_	×	×			
	(1) 1/9/2025		×	C	1	×	×			
			×	C	1	+	-			
59 0000(1)			< >	0 0		+	+			
comments: Email to	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	ona@carmonaresources	s.com and Con	ner Moehring /	Cmoehr	ing@carr	monareso	urces.com		
	Relinquis	Relinquished by: (Signature)				Date/Time	в	Rec	Received by: (Signature)	Date/Time
Kes 1	1				1/14/25		143	Moode	more	
	(								C	

Work Order Comments  Program: UST/PST   PRP   Brownfields   RRC     Uperfun   State of Project:  Reporting:Level        Level        PST/UST   RRP     Level    Noe: NO   Other:  Preservative Codes   HCL: HC   HNO; HN   H,500; H2   NaOH: Na   H,900; NaSO3; NaSO3   Zn Acetate+NaOH: Zn   NaOH+Ascorbic Acid: SAPC   Sample Comments
--

Released to Imaging: 3/12/2025 4:38:15 PM

Res		Comments: Email	%) SW-5 (1")	79 SW-4 (1")	78 SW-3 (1")	7) SW-2 (1')	10 SW-1 (1")	75 CS-75 (1')	CS-74 (1')	73 CS-73 (1')	CS-72 (1')	CS-71 (1")	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:		
K		to Mike Carmona											ification		s: Yes No	Yes No	Yes No	Temp Blank:			Eddy		Mewbo	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring		
	Relinquished	/ Mcarmon	1/9/2025	1/9/2025	1/9/2025	1/9/2025	1/9/2025	1/9/2025	1/9/2025	1/9/2025	1/9/2025	1/9/2025	Date	0	T AW	NAC		ank:		CMM, JM	Eddy County, New Mexico	2511	Mewbourne- Blooming Onion			500	es			
	Relinquished by: (Signature)	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com											Time	Corrected Temperature:	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes (No )		A	w Mexico		ning Onion							
		ces.com and Coni	×	×	×	×	×	×	×	×	×	×	Soil					Wet Ice:		~	Due Date:	☑ Routine	Turn /	Email:						
		ner Moehrin	0	0	0	0	0	0	0	0	0	0	Water Comp					Yes No			Standard TAT	Rush	Turn Around	Email: mcarmona@carmonaresources.com	City, State ZIP:	Address:	Company Name:	Bill to: (if different)		2
1/14/25		ng / Cmoet	_	1	1	1	1	1	1	1	1	1	ab/ # of mp Cont			P	arar	mete	ers	L	AJ/	Code		carmonare	, v		ne:	nt)		chain of custody
25 /4	Date/Time	ıring@ca	×	×	×	×	×	×	×	×	×	×		1 00.		TEX			\ + N	4BOV				esources.c				Carmona	1	CUSI
Jul	е	rmonaresc	×	×	×	×	×	×	×	×	×	×	177	1 00	_	lori	_	DRO	) + IV	iko)				mom				Carmona Resources		ouy
DONES	Pi.	ources.com												2									ANALYSIS REQUEST							
and a	Received by: (Signature)																						EQUEST	Deliverables: EDD	Reporting:Level II Level III	State of Project:	Program: UST/PST PRP	×	Work	
													Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	NaHSO <sub>4</sub> : NABIS	H₃PO₄: HP	H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	HCL: HC	Cool: Cool	None: NO	Preservative Codes	ADaPT Other:	evel III PST/UST TRRP		PRP   Brownfields   RRC	Work Order Comments	Work Order No: ↓ 2501	

										Work Order No: 110	20193
Project Manager:	Conner Moehring			Bill to: (if different)		Carmona F	Carmona Resources			Work Order Comments	- 11
	Carmona Resources			Company Name:					Program: US	Program: UST/PST   PRP   Rrownfields	5
	310 W Wall St Ste 500			Address:					State of Project:		ana Cuc Chbellain
e ZIP:	Midland, TX 79701			City, State ZIP:					Reporting:Lev	Reporting:Level III Level III DST/UST	STRRPLevelIV
	432-813-6823		Email:	Email: mcarmona@carmonaresources.com	rmonares	ources.co	m		Deliverables: EDD		Other:
Project Name:	Mewbourne- E	Mewbourne- Blooming Onion	Turn	Turn Around				ANALYSI	ANALYSIS REQUEST		Preservative Codes
Project Number:	21	2511	☑ Routine	Rush	Pres. Code					No	None: NO DI Water: H <sub>2</sub> O
Project Location	Eddy County	Eddy County, New Mexico	Due Date: (	Standard TAT	$\cup$					Co	
Sampler's Name:	CMI	CMM, JM				MRO				HC	
SAMPLE RECEIPT	PT Temp Blank:	Yes (No	Wet Ice:	Yes No	eters					H-1	H,PO.: HP
Received Intact:	( Yes	Thermometer ID:		OFE	aram		_			Na	NaHSO₄: NABIS
Cooler Custody Seals:	Yes No NA	Correction Factor:		30500	Р	BTEX	Chlori			N. a	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
Total Containers:		Corrected Temperature:		-27:		8015	_			Na	NaOH+Ascorbic Acid: SAPC
Sample Identification	tification Date	Time	Soil	Water Comp	# of Cont	TPI					Sample Comments
SW-6 (1')	(1") 1/9/2025	0	×	0	1	×	×				
80 SW-7 (1')	(1') 1/9/2025	5	×	0	1	×	×				
83 SW-8 (1")	(1") 1/9/2025	5	×	0	1	×	×				
8U SW-9 (1")	(1") 1/9/2025	0.	×	C	1	×	×				
SS SW-10 (1")	(1') 1/9/2025		×	C	_	×	×				
Sw-11 (1")	(1") 1/9/2025		×	C	_	×	×				
SW-12 (1')			×	C	1	×	×				
SW-13 (1")	(1") 1/9/2025		×	C	1	×	×				
89 SW-14 (1")	(1") 1/9/2025		×	C	1	×	×				
06 SW-15 (1")	(1") 1/9/2025		×	C	1	×	×				
Somments: Email	Mike Carmon	nona@carmonaresourc	es.com and Con	ner Moehring /	Cmoehr	ing@carm	nonaresou	rces.com		-	
	Relinqui	Relinquished by: (Signature)			0	Date/Time			Received by: (Signature)	ature)	Date/Time
MBU	1				1/14/25		LOC H	JON 12	NEVAR	W	
										c	

K			omments	OG.	2	35	90	95	75	3	29	2	Sam	lotal Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:			
of the second			Email to M	SW-24 (1")	SW-23 (1")	SW-22 (1")	SW-21 (1")	SW-20 (1")	SW-19 (1")	SW-18 (1')	SW-17 (1')	SW-16 (1')	Sample Identification	ners:	tody Seals:	ody Seals:	act:	RECEIPT	-	ame:	ation	iber:	ie:	432							
N	Rel		ike Carmona / N	1/9/	1/9/	1/9/	1/9/	1/9/	1/9/	1/9	1/9	1/9			Yes No	F	100	Temp Blank:			Eddy C		Mewbou	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring			
	inquished		carmona	1/9/2025	1/9/2025	1/9/2025	1/9/2025	1/9/2025	1/9/2025	1/9/2025	1/9/2025	1/9/2025	Date	0	N/A T			ř		CMM, JM	Eddy County, New Mexico	2511	rne- Bloor			00					
	Relinquished by: (Signature)	Camonia / mcamona@camonaresources.com and conner Moenring / Cmoehring@carmonaresources.com											Time	Corrected Temperature:	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes No	9	N	w Mexico		Mewbourne- Blooming Onion								
		es.com and conn		×	×	×	×	×	×	×	×	×	Soil					Wet Ice:			Due Date:	☑ Routine	Turn /	Email:							
		ner Moen					_						Water	à	500	000	THE	(Yes)			Standard TAV	□ Rush	Turn Around	Email: mcarmona@carmonaresources.com	City, State ZIP:	Address:	Company Name:	Bill to: (if different)			-
d,		ring / Cm		C	C	C	C	C	C	C	C	С	Grab/ Comp	36	J.	3.9		No		\	TAT b			a@carm	ZIP:		Name:	ifferent)		Chair of Custouy	
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	e)		Н	-	_	1	1	1	1	1	1	1									1				Leve	[	ST DE	Wo		Vork C	
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1/1			H	1	+	$\dagger$	$\dagger$	$\dagger$	+	+	$\dagger$	and an		NaOH	Zn Ac	Nass	NaHe SHeN	H_BO HB	ם כר חכ	Cool: Cool	Nolle, NO	None		ADaPT 🗆	Reporting:Level III Level III PST/UST		Program: UST/PST	Work Order Comments	U ·	Work Order No: 11 25	
													Sample	1+Ascorb	Zn Acetate+NaOH: Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>2</sub>	NaHSO: NARIS	. HD		Cool		No or w	Droson	Other:	RRP		″ DBR	COLUMN TO SERVICE	1	20	
	Date/Time												Sample Comments	NaOH+Ascorbic Acid: SAPC	aOH: Zn	o s	Ĭ,	NaOH: Na	HNO3: HN	MeOH: Me	DI VVater: H <sub>2</sub> O	r reservative codes	ration Codes		P		Chinefind		10 of 10	0010 0010	



January 20, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MEWBOURNE - BLOOMING ONION

Enclosed are the results of analyses for samples received by the laboratory on 01/14/25 14:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

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

Received: 01/14/2025 Reported:

Sampling Date:

01/09/2025

Project Name:

BTEX 8021B

01/20/2025

Sampling Type:

Soil

MEWBOURNE - BLOOMING ONION

Sampling Condition:

Cool & Intact

Project Number:

2511

Analyzed By: JH

Sample Received By:

Shalyn Rodriguez

Project Location:

MEWBOURNE - EDDY CO., NM

## Sample ID: TWIN WELLS RANCH - BACKFILL MATERIAL (H250191-01)

mg/kg

B 1 EX COLL B	9	119	Analyzo	u 5 y . 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/15/2025	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.1	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



## **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

100	0		mments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com						vin Wells Ranch-Backfill Material	Sample Identification	otal Containers:	ample Custody Seals:	ooler Custody Seals:	eceived Intact:	AMPLE RECEIPT	0#	ampler's Name:	piect Location	roject Number:	roject Name:	hone: 4	City, State ZIP: N		Name:		1
1	R		Mike Carmona /							ication		Yes No	Y	(Yes No	T Temp Blank:		500	Edd		Mewb	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring	
	elinquished		Mcarmona			_		CZ0716/1	in i	Date	C	A/N	N/A		lank:		CMM, JM	County No.	2511	Mewbourne- Blooming Onion		1	e 500	ces		
	Relinquished by: (Signature)		@carmonaresour							Time	Corrected Temperature	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes (No		M Mexico		•	ning Onion						
			ces.com and Con					×	COIL		3:				Wet Ice:		Due Date:		☑ Routine	Tur	Email					
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1/14/25	Dat		Cmoehrin					_	Cont	-	1		Par	ame	eters		7-	Code	Pres.		armonares			n		
6041	Date/Time		1@carmon		+			×		TPH 8	3015		RO			MRC	D)	-	_		ources.com				Carmona Resources	O Custon
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igne	Received by: (Signature)																		QUEST		Deliverables: EDD   ADDRT	Reporting I evel II	State of Project	Discount Light		
9	3																						SI LIPKE LBE	WORK Ord		Work Order
	Date/Time			1				-	Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	NaHSO <sub>4</sub> : NABIS	H <sub>3</sub> PO <sub>4</sub> : HP				None: NO DI Water: H <sub>2</sub> O	Preservative Codes	Other:	Г		State of Project:		Page1_	Work Order No: #25019

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 429678

## **QUESTIONS**

ı	Operator:	OGRID:
ı	MEWBOURNE OIL CO	14744
ı	P.O. Box 5270	Action Number:
ı	Hobbs, NM 88241	429678
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2424137423
Incident Name	NAPP2424137423 BLOOMIN ONION FRAC LINE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Bloomin Onion Frac Line
Date Release Discovered	08/15/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
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

Nature and Volume of Release		
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.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Human Error   Pipeline (Any)   Produced Water   Released: 49 BBL   Recovered: 20 BBL   Lost: 29 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)	Not answered.	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 2

Action 429678

QUESTIONS	(continued

Operator:  MEWBOURNE OIL CO	OGRID: 14744
P.O. Box 5270 Hobbs, NM 88241	Action Number: 429678
110005, 14101 00241	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	rafety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com

General Information Phone: (505) 629-6116

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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, Page 3

Action 429678

**QUESTIONS** (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	429678
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)	
What method was used to determine the depth to ground water	U.S. Geological Survey	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Zero feet, overlying, or within area	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)	
Any other fresh water well or spring	Greater than 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Zero feet, overlying, or within area	
A subsurface mine	Between 1 and 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	High	
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	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination	n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
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 mi	illigrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 CI B)	15700	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	69.2	
GRO+DRO (EPA SW-846 Method 8015M)	69.2	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
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	01/01/2025	
On what date will (or did) the final sampling or liner inspection occur	01/01/2025	
On what date will (or was) the remediation complete(d)	01/09/2025	
What is the estimated surface area (in square feet) that will be reclaimed	0	
What is the estimated volume (in cubic yards) that will be reclaimed 0		
What is the estimated surface area (in square feet) that will be remediated 13838		
What is the estimated volume (in cubic yards) that will be remediated 513		
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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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 4

Action 429678

**QUESTIONS** (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	429678
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### 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 off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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.

Name: Connor Walker
Title: Senior Engineer
Email: cwalker@mewbourne.com
Date: 10/18/2024

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

QUESTIONS, Page 5

Action 429678

**QUESTIONS** (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	429678
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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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, Page 6

Action 429678

**QUESTIONS** (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	429678
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Sampling Event Information		
Last sampling notification (C-141N) recorded	417483	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/09/2025	
What was the (estimated) number of samples that were to be gathered	43	
What was the sampling surface area in square feet	6915	

Remediation Closure Request				
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.				
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	13838			
What was the total volume (cubic yards) remediated	513			
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	0			
What was the total volume (in cubic yards) reclaimed	0			
Summarize any additional remediation activities not included by answers (above)	Please see attached closure report for complete remediation activities.			

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.

Name: Connor Walker
Title: Senior Engineer
Email: cwalker@mewbourne.com
Date: 02/07/2025

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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, Page 7

Action 429678

**QUESTIONS** (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	429678
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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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

CONDITIONS

Action 429678

### **CONDITIONS**

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	429678
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	3/12/2025