

CARMONA RESOURCES



## SITE INFORMATION

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**Work Plan**  
**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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## TABLE OF CONTENTS

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### 1.0 SITE INFORMATION AND BACKGROUND

### 2.0 SITE CHARACTERIZATION AND GROUNDWATER

### 3.0 NMAC REGULATORY CRITERIA

### 4.0 SITE ASSESSMENT ACTIVITIES

### 5.0 PROPOSED WORK PLAN

### 6.0 CONCLUSIONS

#### FIGURES

FIGURE 1      OVERVIEW

FIGURE 2      TOPOGRAPHIC

FIGURES 3A-3C      SAMPLE LOCATION

FIGURE 4      WATER SAMPLE LOCATION

FIGURES 5A-5E      CHLORIDE CONCENTRATION CONTOUR

FIGURE 6      PROPOSED EXCAVATION

#### APPENDICES

APPENDIX A      TABLE

APPENDIX B      PHOTOS

APPENDIX C      NOTICE OF RELEASE AND INITIAL C-141

APPENDIX D      SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX E      LABORATORY REPORTS



October 17, 2024

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

**Re: Work Plan  
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 initial C-141 information 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 pastureland, 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 initial C-141 form is attached in Appendix C.

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

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, two known water sources are within a 0.50-mile radius of the location. The nearest identified water source 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 Summary report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

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

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- 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**

Horizontal samples collected around the perimeter of the spill were not delineated, and all displayed chloride levels above regulatory thresholds. Refer to Table 1.

##### **Background Sampling Results**

Out of the 25 collected background samples, only 3 (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. 22 of the 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 chloride concentration in the area.

##### **Soil Assessment Interpretation**

Based on 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 average natural Playa Lake chloride levels. Although the release had a chloride impact, it is not of greater concentration than that of the natural environment.

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### 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. 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 the regulatory threshold. 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 in the area of concern when compared with the water collected from the S-2 sample point. Although there was chloride impact seen in the water from the area of concern, it does not have similar concentrations to that in the source water.

### **5.0 Proposed Work Plan**

Based on the analytical data of the chloride concentrations, Mewbourne proposes to remediate the areas shown in Figure 6 and highlighted (Orange) in Table 1.

- The release areas will be excavated to a depth of 1.0' below the surface and backfilled with clean material to surface grade.
- An estimated 513 cubic yards will be removed and hauled to the nearest disposal.
- Five-point composite bottom floor hole and sidewall samples will be collected every 200 square feet to represent the excavated area.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.
- Impacted soil around oil and gas equipment, structures, or lines may not be removed during remediation activities due to safety concerns for the onsite personnel. However, Mewbourne will excavate the impacted soil to the maximum extent possible.

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## **6.0 Conclusions**

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

Mike Carmona  
Environmental Manager

Devin Dominguez  
Sr. Project Manager

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## FIGURES

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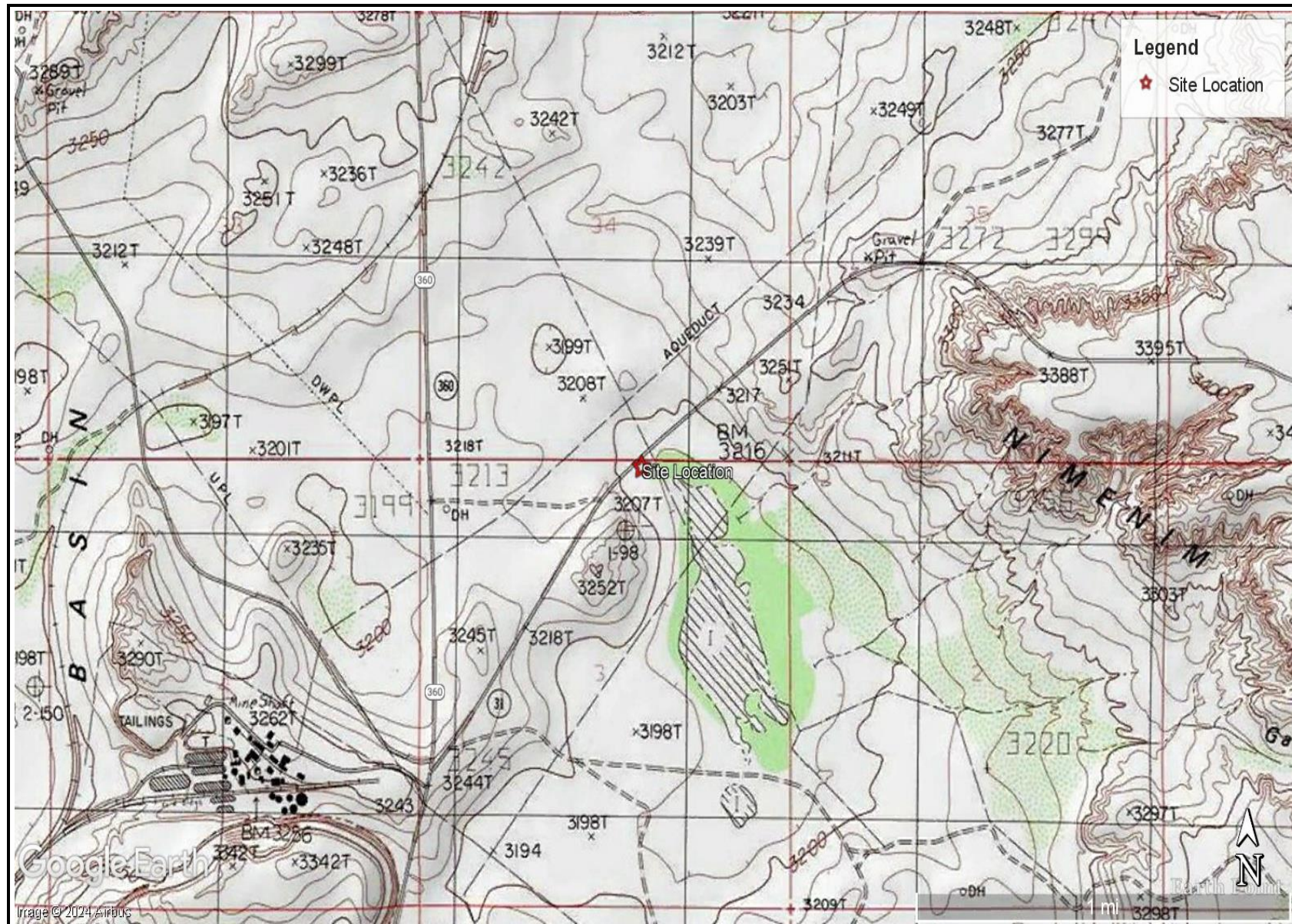


OVERVIEW MAP  
MEWBOURNE OIL COMPANY  
BLOOMIN ONION FRAC LINE  
EDDY COUNTY, NEW MEXICO  
32.60936°, -103.95825°

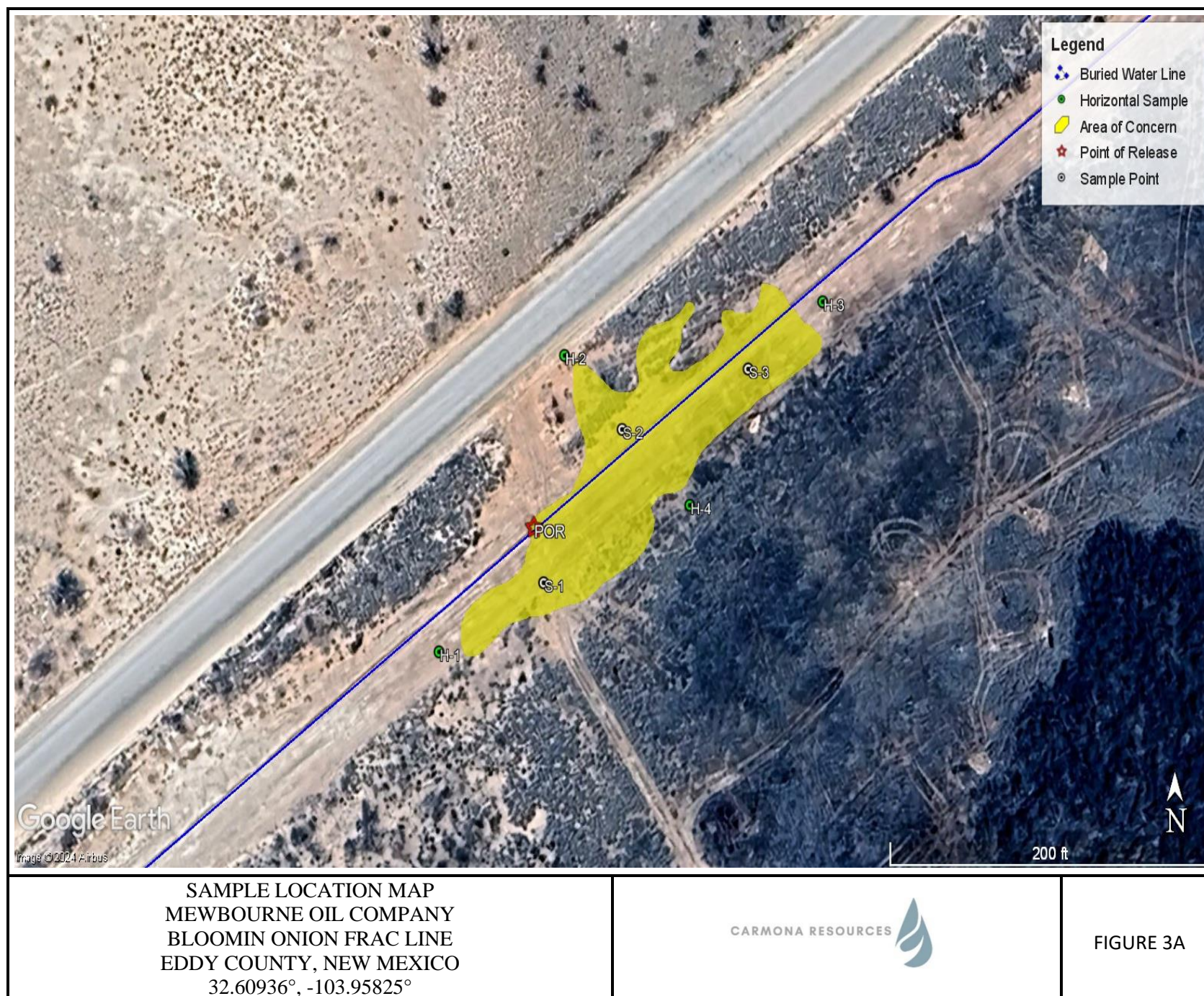


FIGURE 1

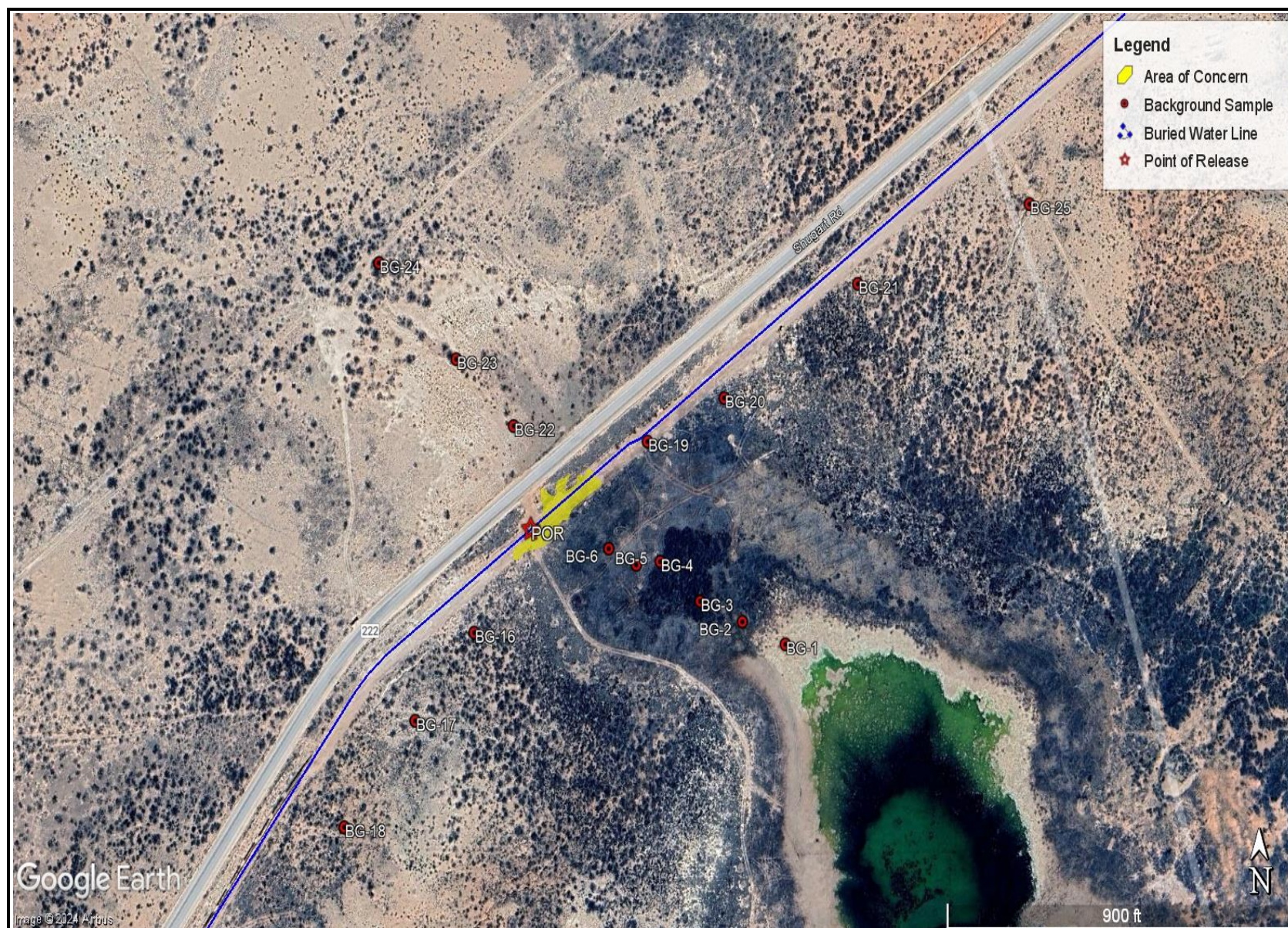












SAMPLE LOCATION MAP  
MEWBOURNE OIL COMPANY  
BLOOMIN ONION FRAC LINE  
EDDY COUNTY, NEW MEXICO  
32.60936°, -103.95825°



FIGURE 3B





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



FIGURE 3C



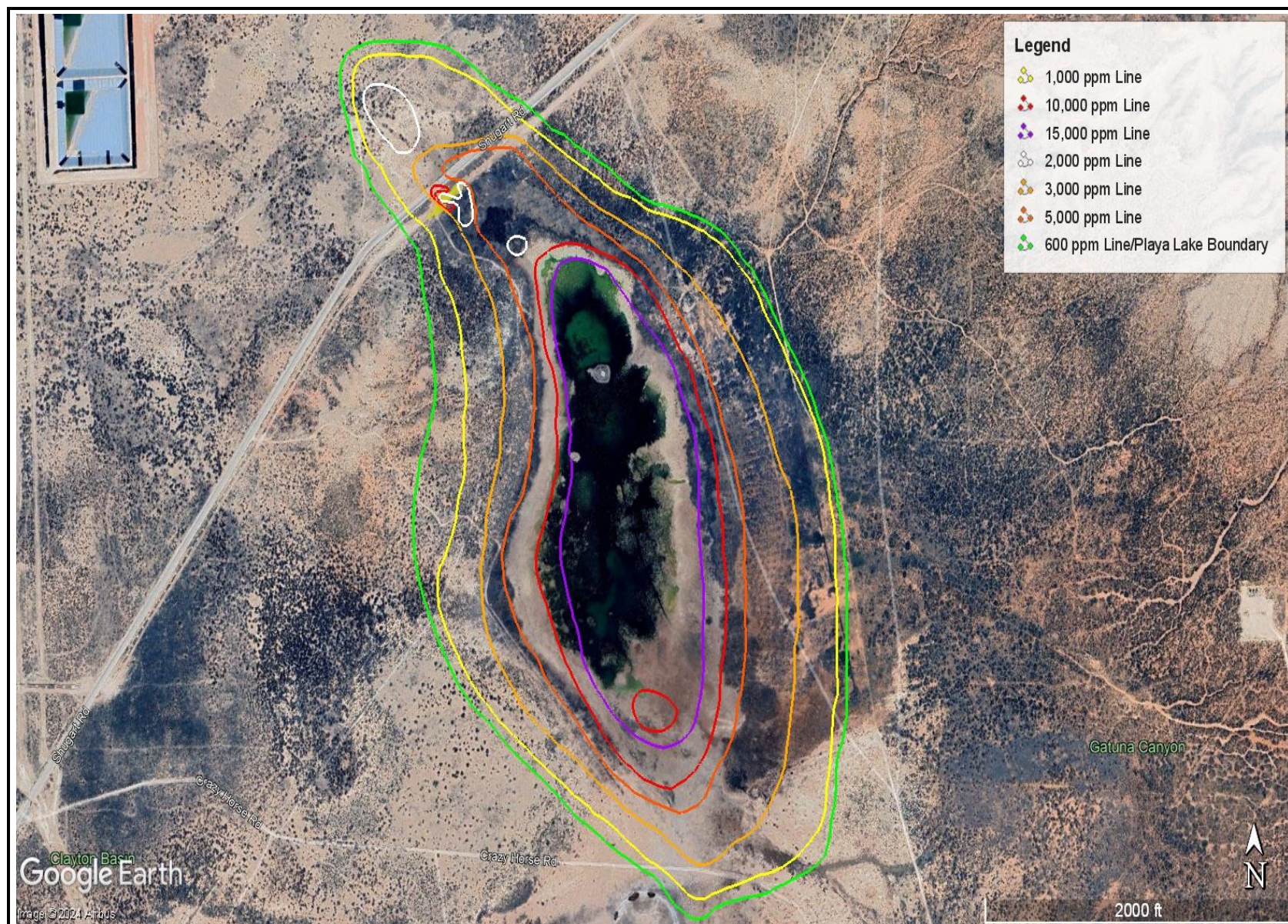


WATER SAMPLE LOCATION MAP  
MEWBOURNE OIL COMPANY  
BLOOMIN ONION FRAC LINE  
EDDY COUNTY, NEW MEXICO  
32.60936°, -103.95825°



FIGURE 4



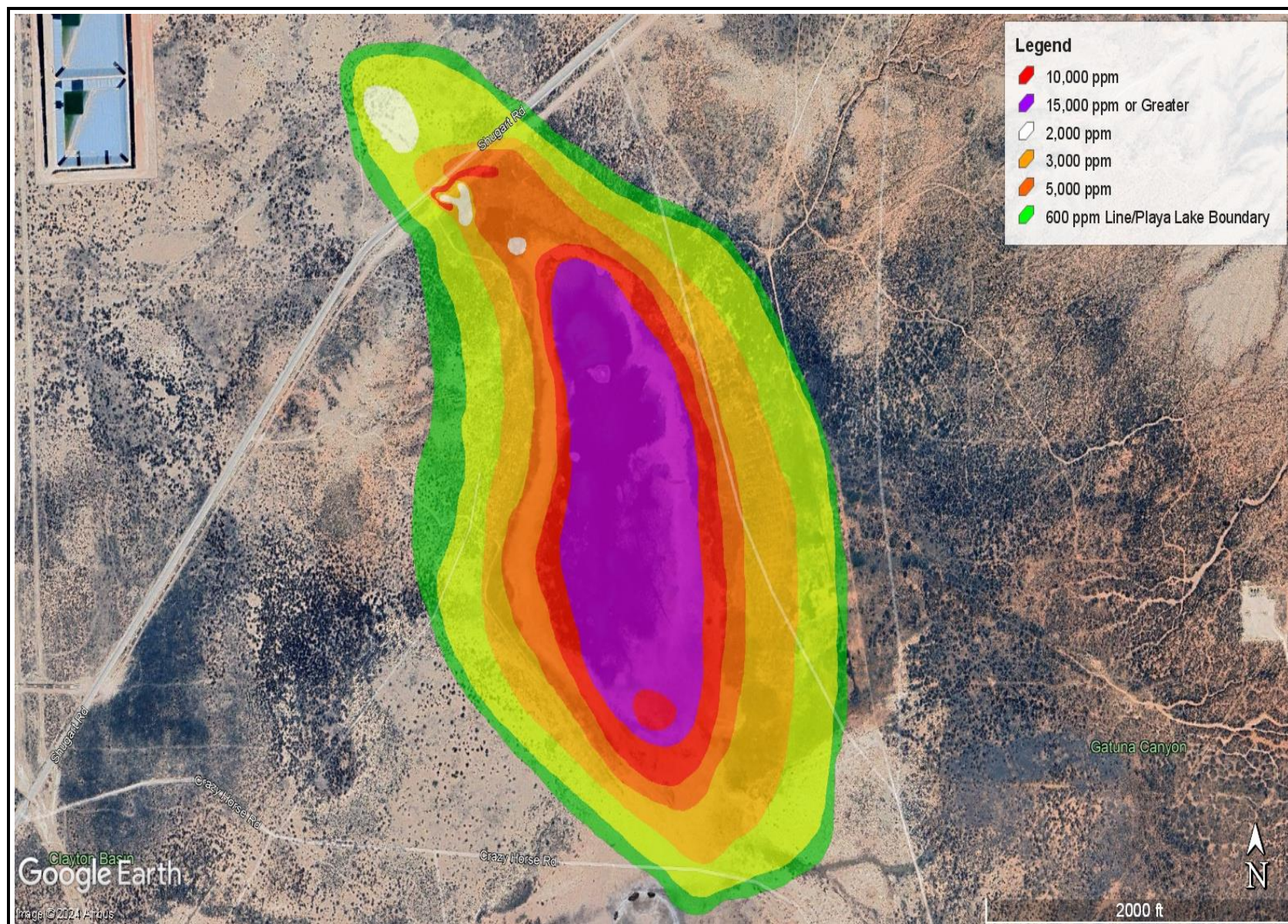


CHLORIDE CONCENTRATION CONTOUR MAP  
MEWBOURNE OIL COMPANY  
BLOOMIN ONION FRAC LINE  
EDDY COUNTY, NEW MEXICO  
32.60936°, -103.95825°



FIGURE 5A



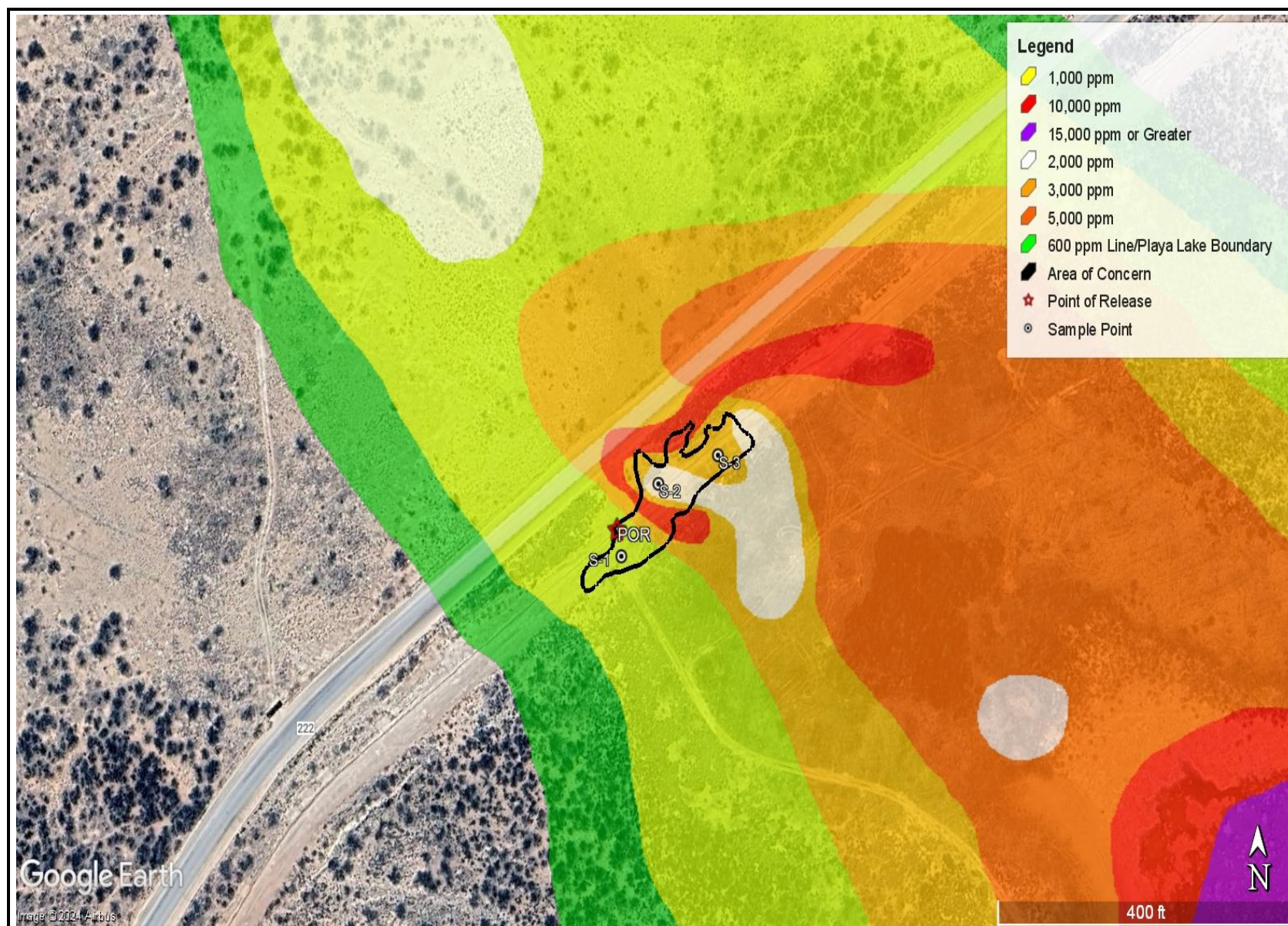


CHLORIDE CONCENTRATION CONTOUR MAP  
MEWBOURNE OIL COMPANY  
BLOOMIN ONION FRAC LINE  
EDDY COUNTY, NEW MEXICO  
32.60936°, -103.95825°



FIGURE 5B



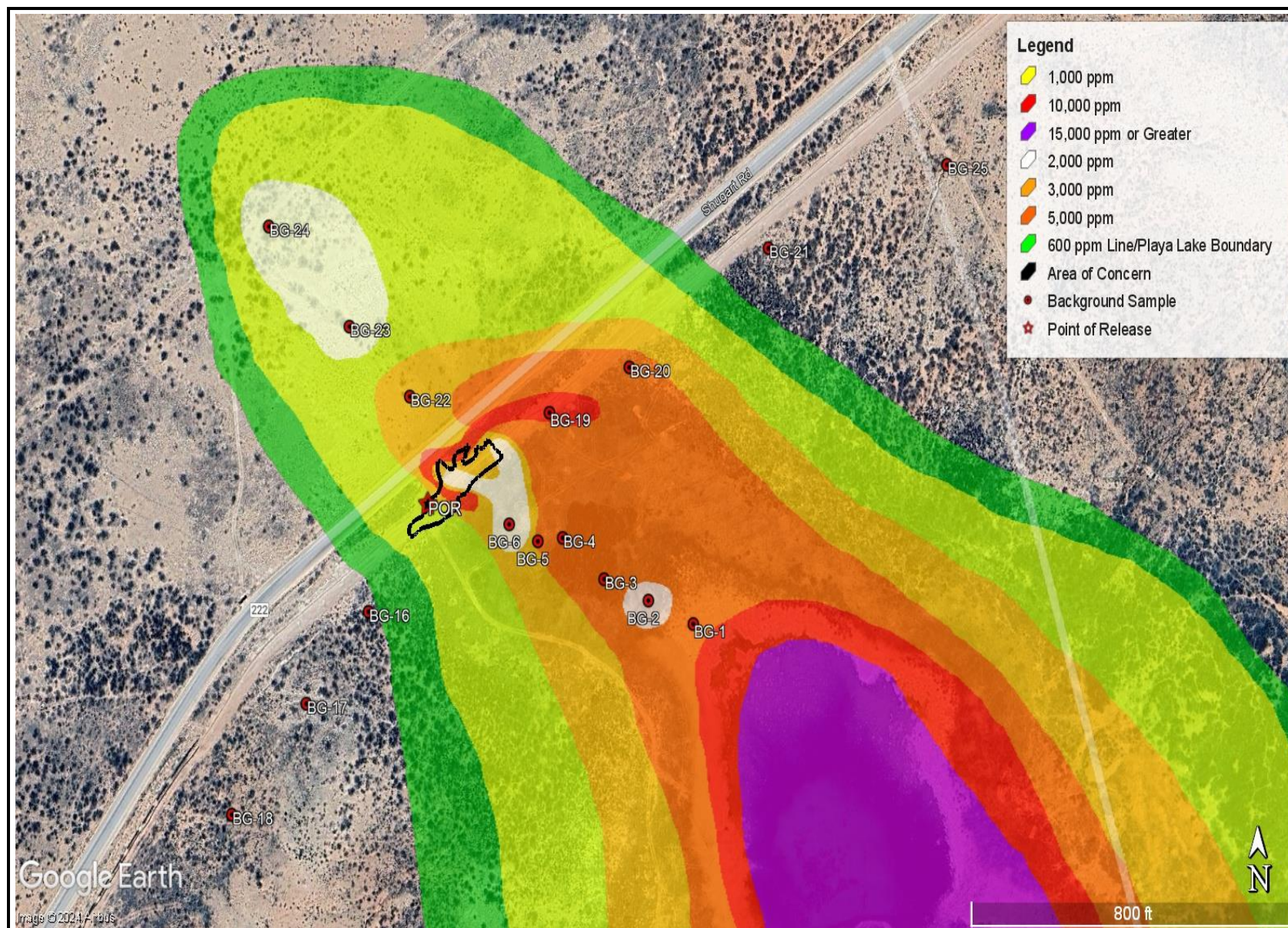


CHLORIDE CONCENTRATION CONTOUR MAP  
MEWBOURNE OIL COMPANY  
BLOOMIN ONION FRAC LINE  
EDDY COUNTY, NEW MEXICO  
32.60936°, -103.95825°



FIGURE 5C



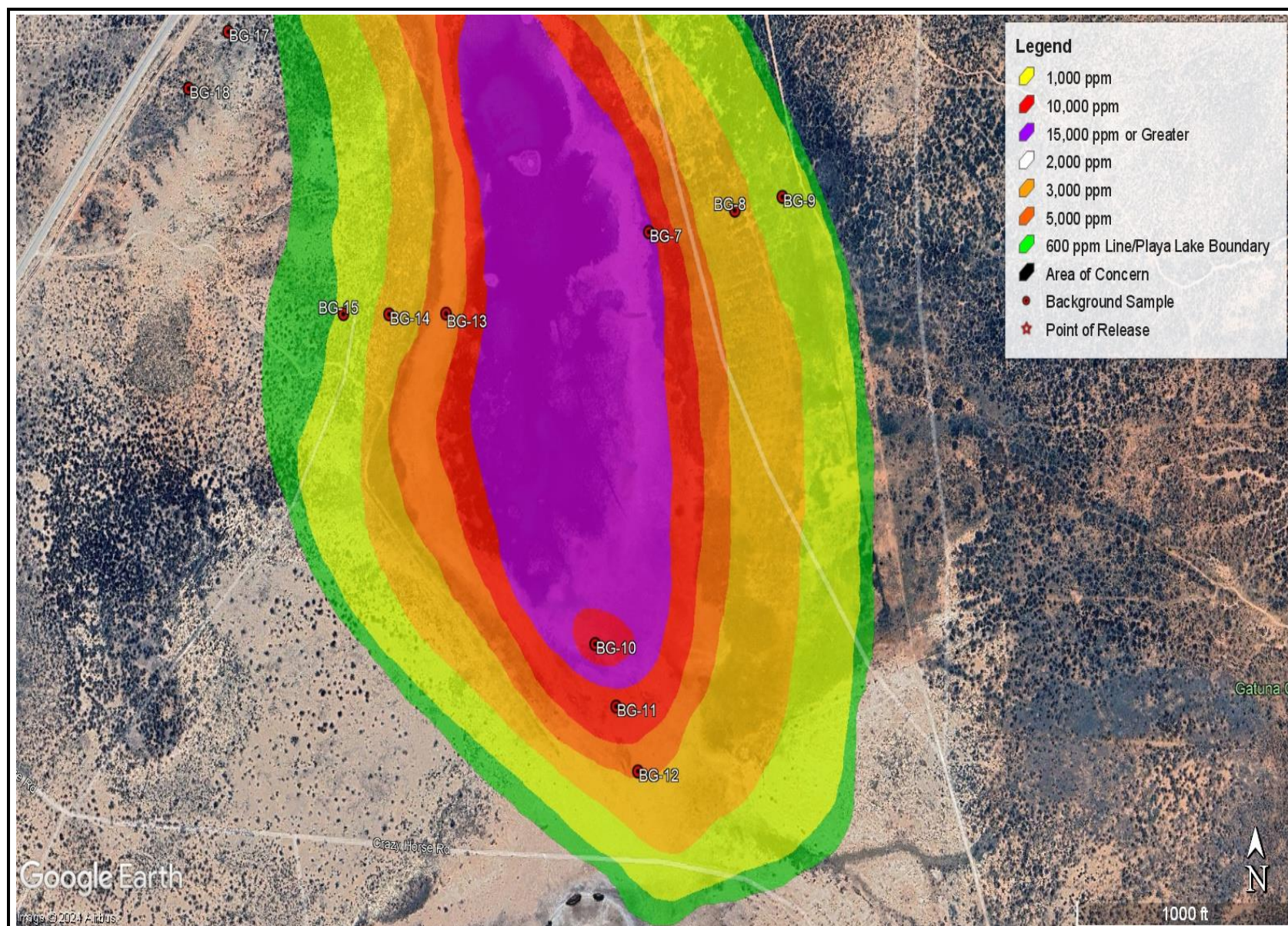


CHLORIDE CONCENTRATION CONTOUR MAP  
MEWBOURNE OIL COMPANY  
BLOOMIN ONION FRAC LINE  
EDDY COUNTY, NEW MEXICO  
32.60936°, -103.95825°



FIGURE 5D





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



FIGURE 5E





## APPENDIX A

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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>S-1</b>	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<b>886</b>
	"	2'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<b>1,380</b>
	"	3'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<b>947</b>
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<b>833</b>
	"	5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<b>774</b>
<b>S-2</b>	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<b>2,120</b>
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<b>1,540</b>
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<b>1,630</b>
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<b>1,720</b>
	"	5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<b>1,480</b>
<b>S-3</b>	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<b>758</b>
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<b>653</b>
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<b>710</b>
	"	4'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<b>714</b>
	"	5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<b>784</b>
<b>H-1</b>	9/13/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	0.0184	0.0184	<b>1,250</b>
<b>H-2</b>	9/13/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<b>12,000</b>
<b>H-3</b>	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<b>2,150</b>
<b>H-4</b>	9/13/2024	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<b>14,100</b>
<b>Regulatory Criteria<sup>A</sup></b>							<b>100 mg/kg</b>	<b>10 mg/kg</b>			<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal

Proposed Excavation

Exceeds

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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
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
	"	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
	"	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
	"	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
	"	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
	"	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
	"	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
	"	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
	"	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
	"	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
	"	2'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	4,640
Regulatory Criteria <sup>A</sup>							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(BG) Background

 Exceeds

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

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

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(BG) Background

 Exceeds

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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>Playa Lake Water</b>	9/20/2024	-	<5.23	<5.23	<5.23	<5.23	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<b>88,800</b>
<b>Water Bridge Riser Water</b>	9/20/2024	-	<4.95	<4.95	<4.95	<4.95	3.75	0.722	0.0477	0.238	4.76	<b>63,600</b>
<b>Auger Hole Water</b>	9/20/2024	-	<5.07	<5.07	<5.07	<5.07	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<b>5,940</b>
<i>Regulatory Criteria<sup>A</sup></i>							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

 Exceeds

## APPENDIX B

CARMONA RESOURCES



## PHOTOGRAPHIC LOG

Mewbourne Oil Company

### Photograph No. 1

**Facility:** Bloomin Onion Frac Line

**County:** Eddy County, New Mexico

**Description:**

View West, point of release area.



### Photograph No. 2

**Facility:** Bloomin Onion Frac Line

**County:** Eddy County, New Mexico

**Description:**

View Southwest, area of S-1.



### Photograph No. 3

**Facility:** Bloomin Onion Frac Line

**County:** Eddy County, New Mexico

**Description:**

View North, area of S-2.



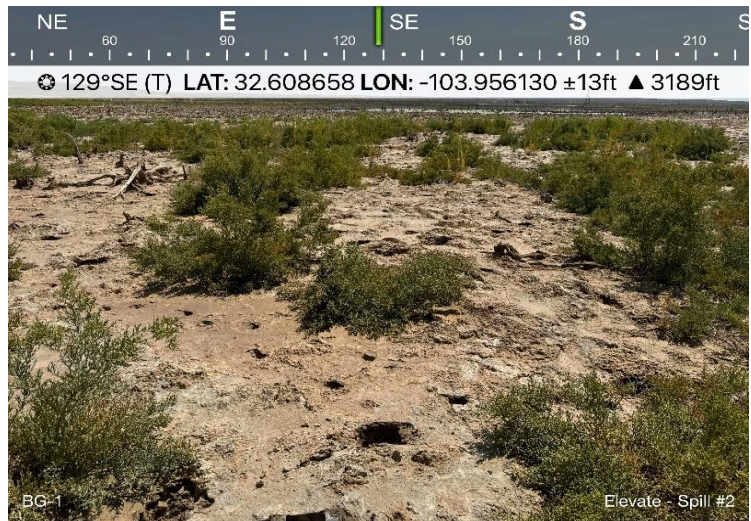


**PHOTOGRAPHIC LOG****Mewbourne Oil Company****Photograph No. 4****Facility:** Bloomin Onion Frac Line**County:** Eddy County, New Mexico**Description:**

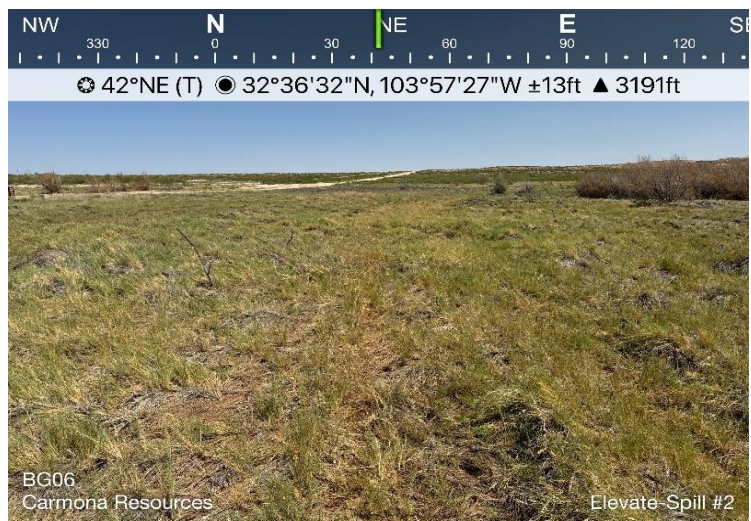
View Southwest, area of S-3.

**Photograph No. 5****Facility:** Bloomin Onion Frac Line**County:** Eddy County, New Mexico**Description:**

View Southeast, area of BG-1.

**Photograph No. 6****Facility:** Bloomin Onion Frac Line**County:** Eddy County, New Mexico**Description:**

View Northeast, playa lake vegetation Southeast of area of concern. BG-6.





# PHOTOGRAPHIC LOG

## Mewbourne Oil Company

### Photograph No. 7

**Facility:** Bloomin Onion Frac Line

**County:** Eddy County, New Mexico

**Description:**

View Southeast, Playa Lake vegetation Southeast of the area of concern. BG-6.



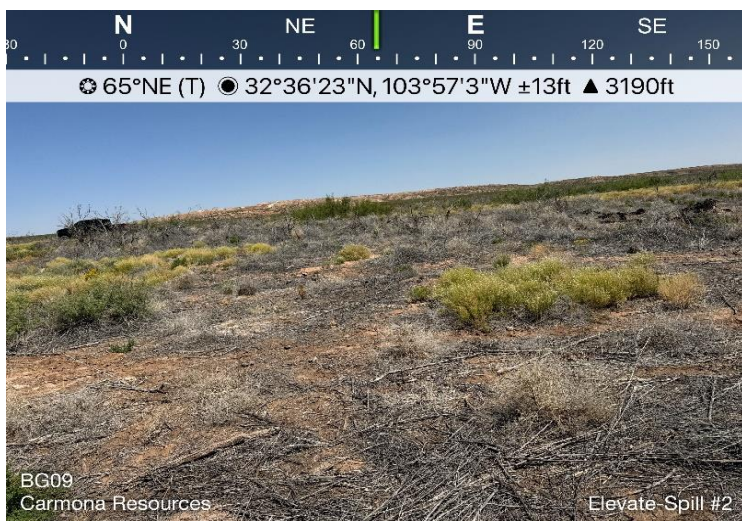
### Photograph No. 8

**Facility:** Bloomin Onion Frac Line

**County:** Eddy County, New Mexico

**Description:**

View Northeast, vegetation of the eastern portion of Playa Lake. BG-9.



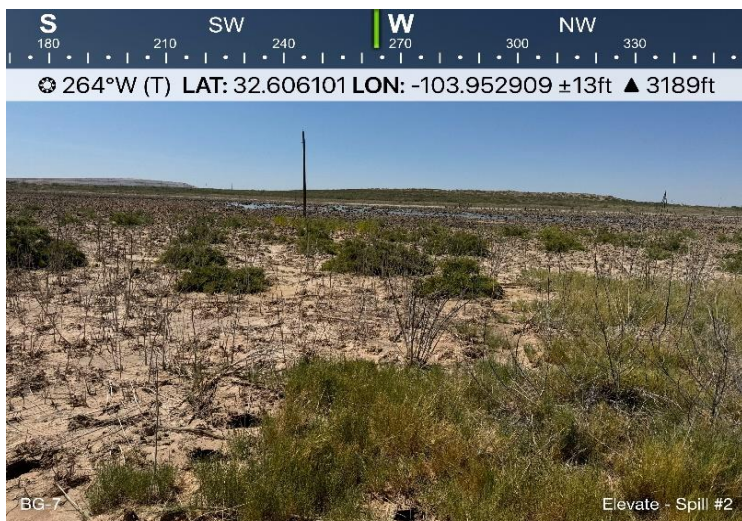
### Photograph No. 9

**Facility:** Bloomin Onion Frac Line

**County:** Eddy County, New Mexico

**Description:**

View West, vegetation and water of the eastern portion of Playa Lake. BG-7.





# PHOTOGRAPHIC LOG

## Mewbourne Oil Company

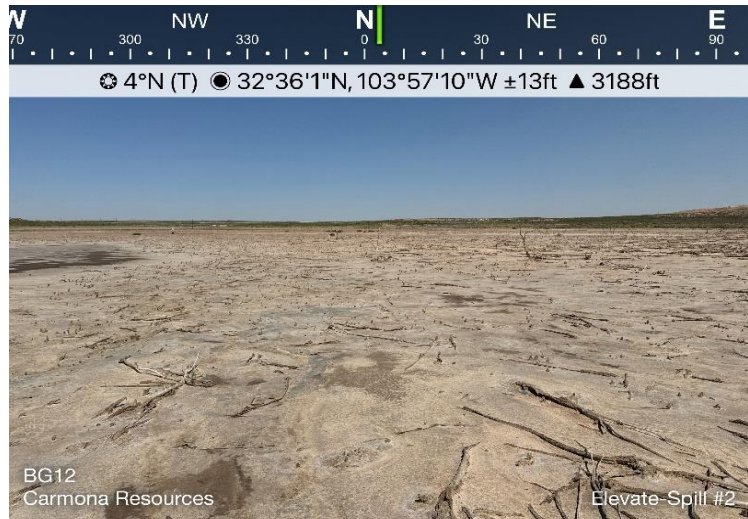
### Photograph No. 10

**Facility:** Bloomin Onion Frac Line

**County:** Eddy County, New Mexico

**Description:**

View North, Southern portion of Playa Lake. BG-12.



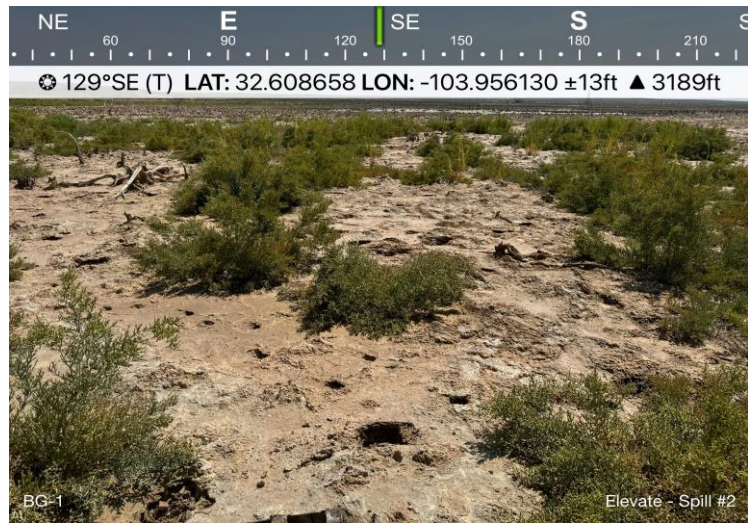
### Photograph No. 11

**Facility:** Bloomin Onion Frac Line

**County:** Eddy County, New Mexico

**Description:**

View Southeast, Northern portion of Playa Lake. BG-1.



### Photograph No. 12

**Facility:** Bloomin Onion Frac Line

**County:** Eddy County, New Mexico

**Description:**

View Northeast, Western portion of Playa Lake.



**PHOTOGRAPHIC LOG****Mewbourne Oil Company****Photograph No. 13****Facility:** Bloomin Onion Frac Line**County:** Eddy County, New Mexico**Description:**

View East, Playa Lake water sample location.

**Photograph No. 14****Facility:** Bloomin Onion Frac Line**County:** Eddy County, New Mexico**Description:**

View Northeast, Southern portion of Playa Lake. BG-11.

**Photograph No. 15****Facility:** Bloomin Onion Frac Line**County:** Eddy County, New Mexico**Description:**

View Northeast, Playa Lake vegetation boundary on western portion. BG-14.





**PHOTOGRAPHIC LOG****Mewbourne Oil Company****Photograph No. 16****Facility:** Bloomin Onion Frac Line**County:** Eddy County, New Mexico**Description:**

View Northeast, Playa Lake conditions.

**Photograph No. 17****Facility:** Bloomin Onion Frac Line**County:** Eddy County, New Mexico**Description:**

View Southwest, the eastern portion of the area of concern. BG-19.



## 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  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 378717

QUESTIONS

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

QUESTIONS

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.

**District I**

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

**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.

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

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 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  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	
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 email	cwalker@mewbourne.com	Incident # (assigned by OCD)	nAPP2424137423
Contact mailing address	4801 Business Park Blvd, Hobbs, NM 88240		

Location of Release Source

Latitude 32.60936 \_\_\_\_\_ Longitude -103.95825 \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Bloomin Onion Frac Line	Site Type	Frac Line (Surface)
Date Release Discovered	8/15/2024	API# (if applicable)	

Unit Letter	Section	Township	Range	County
B	3	20S	30E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 49	Volume Recovered (bbls) 20
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release


A lay flat water transfer line came apart at a connection.

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release was greater than 25 bbls.
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 < <a href="mailto:BLM_NM_CFO_Spill@blm.gov">BLM_NM_CFO_Spill@blm.gov</a> >; Enviro, OCD, EMNRD < <a href="mailto:ocd.enviro@emnrd.nm.gov">ocd.enviro@emnrd.nm.gov</a> >; <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.	

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Connor Walker</u>	Title: <u>Sr. Engineer</u>
Signature: 	Date: <u>8/16/2024</u>
email: <u>cwalker@mewbourne.com</u>	Telephone: <u>806-202-5281</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

**SPILL VOLUME CALCULATIONS**

INPUT DATA: (click "Reset Page" button to return all values to zero)											
Total Area Calculations					Standing Liquid Calculations (leave blank if 100% of free liquid has been recovered)						
Total Surface Area		saturated soil depth		% oil	Total Surface Area		liquid depth		% oil		
Known Area #1	0 acres	or	13,939 sq. ft.	3 in	0%	Known Area #1	0 acres	or	0 sq. ft.	0 in	0%
Known Area #2	0 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.	0 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	0 in	0%
Rectangle Area #3	0 ft		0 ft	0 in	0%	Rectangle Area #3	0 ft		0 ft	0 in	0%
Rectangle Area #4	0 ft		0 ft	0 in	0%	Rectangle Area #4	0 ft		0 ft	0 in	0%
diameter		saturated soil depth		% oil		diameter		liquid depth		% oil	
Circle Area #1	0 ft			0 in	0%	Circle Area #1	0 ft			0 in	0%
Circle Area #2	0 ft			0 in	0%	Circle Area #2	0 ft			0 in	0%
Circle Area #3	0 ft			0 in	0%	Circle Area #3	0 ft			0 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 soil.		* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.	
* sandy clay loam soil = .14 gallon liquid per gallon volume of soil.		* sandy loam = .5 gallon liquid per gallon volume of soil.	
* clay loam = .16 gallon liquid per gallon volume of soil.			

OUTPUT DATA:		
<b><u>Saturated Soil Volume Calculations</u></b>		<b><u>Free Liquid Volume Calculations</u></b>
Total Contaminated Volume:	3,484.8 cu. ft.	129.1 yds.
<b><u>Estimated Volumes Spilled</u></b>		<b><u>Estimated Surface Damage</u></b>
	<b><u>Water</u></b>	<b><u>Oil</u></b>
Liquid in Soil:	49.6 BBL	0.0 BBL
Free Liquid:	0.0 BBL	0.0 BBL
Free Liquid Recovered:	0.0 BBL	0.0 BBL
<b><u>Recovered Volumes</u></b>		
Total Liquid Spilled:	49.6 BBL	0.0 BBL
	2,085.3 gal	0.0 gal
Estimated oil recovered:		0.0 BBL
Estimated water recovered:		0.0 BBL

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**District II**  
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Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 378723

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 378723
	Action Type: [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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QUESTIONS, Page 2  
  
Action 378723

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 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.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 08/28/2024
----------------------------------------------------	---------------------------------------------------------------------------------------------------



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**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: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 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.
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	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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Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 378723

CONDITIONS

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

CONDITIONS

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

## APPENDIX D

CARMONA RESOURCES



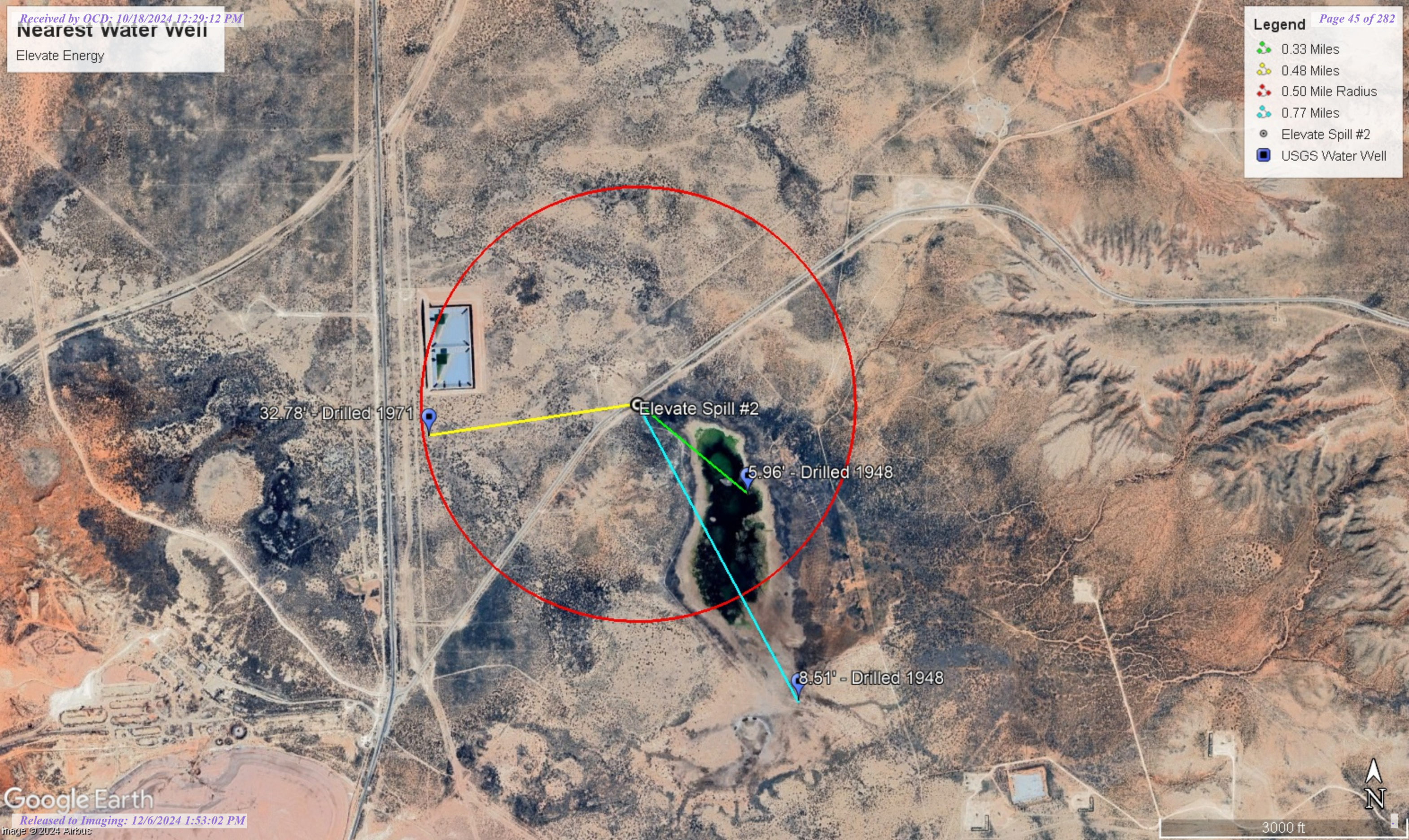


**Nearest water well**

Elevate Energy

**Legend**

- 0.33 Miles
- 0.48 Miles
- 0.50 Mile Radius
- 0.77 Miles
- Elevate Spill #2
- USGS Water Well





# High Karst

Elevate Energy

Legend

Elevate Spill #2

High

Low

Medium

Elevate Spill #2







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	Map	Distance	Well Depth	Depth Water	Water Column
<a href="#">CP 00827 POD1</a>		CP	LE		SW	SW	35	19S	30E	598596.0	3608694.0 *		874	100		
<a href="#">CP 00828 POD1</a>		CP	LE		NW	NW	35	19S	30E	598585.0	3609900.0 *		1659	90		
<a href="#">CP 00825 POD1</a>		CP	LE		SW	SE	28	19S	30E	596164.0	3610282.0 *		2413	100		
<a href="#">CP 00644 POD2</a>		CP	LE	NW	SE	SW	04	20S	30E	595689.0	3607164.0 *		2439	285	60	225
<a href="#">CP 00645 POD2</a>		CP	LE	SW	SE	SW	04	20S	30E	595689.0	3606964.0 *		2551	296	62	234
<a href="#">CP 00648 POD1</a>	R	CP	LE	SE	SW	SW	04	20S	30E	595488.0	3606960.0 *		2718	337	82	255
<a href="#">CP 00648 POD2</a>		CP	ED	SE	SW	SW	04	20S	30E	595488.0	3606960.0 *		2718	330	75	255
<a href="#">CP 00775</a>		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

\* UTM location was derived from PLSS - see Help

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



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National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 323623103571401

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.

Output formats

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

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

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
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	A	Approved for publication -- Processing and review completed.

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

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



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Page Last Modified: 2024-08-28 10:35:49 EDT

0.32 0.22 nadww01





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site\_no list =

- 323630103575901

Minimum number of levels = 1  
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USGS 323630103575901 20S.30E.03.11141

Eddy County, New Mexico  
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.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1968-06-13			D 62610		3177.30	NGVD29	1	Z			A
1968-06-13			D 62611		3178.80	NAVD88	1	Z			A
1968-06-13			D 72019	36.20			1	Z			A
1971-02-09			D 62610		3180.72	NGVD29	1	Z			A
1971-02-09			D 62611		3182.22	NAVD88	1	Z			A
1971-02-09			D 72019	32.78			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
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	A	Approved for publication -- Processing and review completed.

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0.37 0.25 nadww02



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Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 323558103570501

Minimum number of levels = 1  
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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.

Output formats

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

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

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
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	A	Approved for publication -- Processing and review completed.

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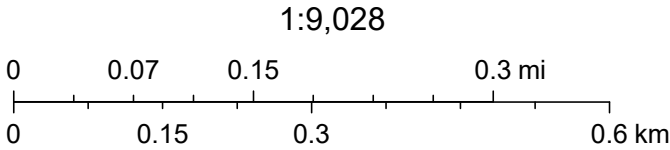
0.41 0.28 nadww02

# Elevate Spill #2



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

- OSW Water Bodys
- OSE Streams



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BASEMAPS >

MAP LAYERS >

+

...

 Measure

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1:9,028

32.610 | -103.964

LEGEND

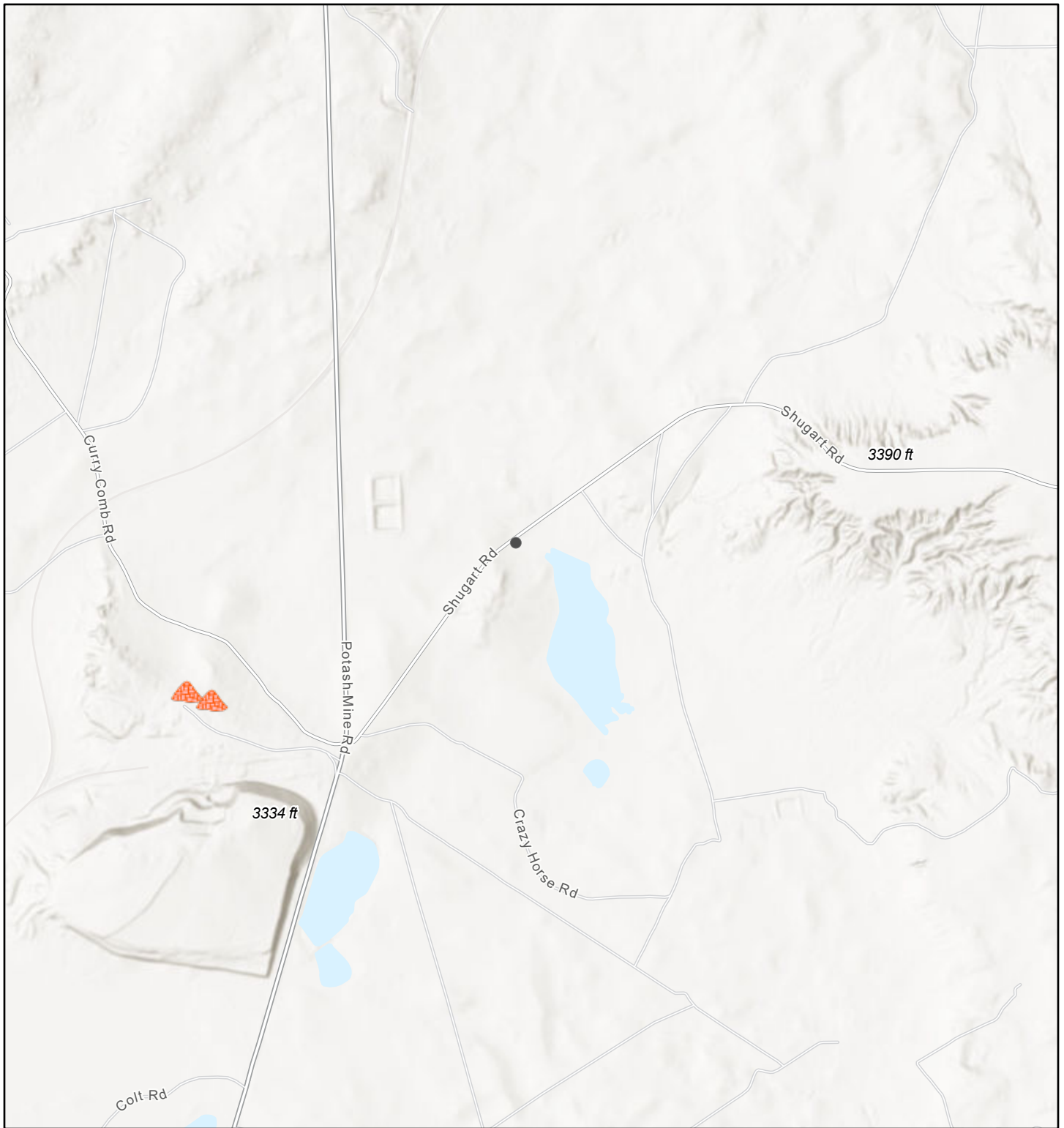
- Wetlands**
- Estuarine and Marine Deepwater
  - Estuarine and Marine Wetland
  - Freshwater Emergent Wetland
  - Freshwater Forested/Shrub Wetland
  - Freshwater Pond
  - Lake
  - Other
  - Riverine

- Riparian**
- Forested/Shrub
  - Herbaceous

- Riparian Mapping Areas**
- Riparian Mapping Areas



# Active Mines in New Mexico

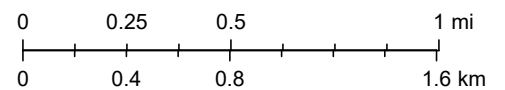


10/17/2024, 2:06:46 PM

Registered Mines

 Potash

1:34,683



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EMNRD MMD GIS Coordinator



## APPENDIX E

CARMONA RESOURCES





Environment Testing

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

# 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



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

Client: Carmona Resources  
Project/Site: Spill #2

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

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	7
Surrogate Summary . . . . .	19
QC Sample Results . . . . .	21
QC Association Summary . . . . .	29
Lab Chronicle . . . . .	34
Certification Summary . . . . .	39
Method Summary . . . . .	40
Sample Summary . . . . .	41
Chain of Custody . . . . .	42
Receipt Checklists . . . . .	44

1

2

3

4

5

6

7

8

9

10

11

12

13

14



Definitions/Glossary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48706-1  
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.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: Spill #2

Job ID: 880-48706-1

**Job ID: 880-48706-1**

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### 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 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 880-91200 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 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

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.

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Case Narrative

Client: Carmona Resources  
Project: Spill #2

Job ID: 880-48706-1

Job ID: 880-48706-1 (Continued)

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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48706-1

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		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)	110		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 Calculation

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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 17:30	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 17:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 17:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130	09/21/24 17:31	09/23/24 17:30	1
o-Terphenyl	127		70 - 130	09/21/24 17:31	09/23/24 17:30	1

## Method: EPA 300.0 - Anions, Ion Chromatography - 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')

Lab Sample ID: 880-48706-2

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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  
Project/Site: Spill #2

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

Client Sample ID: S-1 (2')

Lab Sample ID: 880-48706-2

Date Collected: 09/13/24 00:00

Matrix: Solid

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			09/21/24 03:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/23/24 17:46	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	<50.1	U	50.1		mg/Kg		09/21/24 17:31	09/23/24 17:46	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/21/24 17:31	09/23/24 17:46	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/21/24 17:31	09/23/24 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				09/21/24 17:31	09/23/24 17:46	1
o-Terphenyl	117		70 - 130				09/21/24 17:31	09/23/24 17:46	1

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

Analyte	Result	Qualifier	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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)	102		70 - 130				09/19/24 13:47	09/21/24 03:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 03:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/23/24 18:02	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	<50.5	U	50.5		mg/Kg		09/21/24 17:31	09/23/24 18:02	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/21/24 17:31	09/23/24 18:02	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	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 Chromatography - 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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 03:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 03:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 03:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:47	09/21/24 03:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 03:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 13:47	09/21/24 03:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				09/19/24 13:47	09/21/24 03:53	1
1,4-Difluorobenzene (Surr)	99		70 - 130				09/19/24 13:47	09/21/24 03:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/21/24 03:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 18:18	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 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				09/21/24 17:31	09/23/24 18:18	1
o-Terphenyl	112		70 - 130				09/21/24 17:31	09/23/24 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	833		25.2		mg/Kg			09/20/24 20:01	5

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: S-1 (5')

Lab Sample ID: 880-48706-5

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:47	09/21/24 04:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:47	09/21/24 04:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	09/19/24 13:47	09/21/24 04:13	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/19/24 13:47	09/21/24 04:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/21/24 04:13	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			09/23/24 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 18:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 18:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	09/21/24 17:31	09/23/24 18:34	1
o-Terphenyl	127		70 - 130	09/21/24 17:31	09/23/24 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	774		5.05		mg/Kg			09/20/24 20:09	1

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 - Volatile Organic Compounds (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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 04:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 18:50	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 18:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:50	1
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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2120		99.6		mg/Kg			09/20/24 20:18	20

Client Sample ID: S-2 (2')

Lab Sample ID: 880-48706-7

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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 - 130				09/19/24 13:47	09/21/24 04:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/21/24 04:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			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

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Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48706-7  
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		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 Chromatography - Soluble										
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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-8  
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		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 - Total BTEX Calculation										
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 Range Organics (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	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		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 Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1630		25.0		mg/Kg			09/20/24 20:35	5	

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: S-2 (4')

Lab Sample ID: 880-48706-9

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 05:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 05:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	09/19/24 13:47	09/21/24 05:35	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/19/24 13:47	09/21/24 05:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 05:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/23/24 19:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 19:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 19:40	1
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 - 130	09/21/24 17:31	09/23/24 19:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1720		25.1		mg/Kg			09/20/24 20:44	5

Client Sample ID: S-2 (5')

Lab Sample ID: 880-48706-10

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: S-2 (5')

Lab Sample ID: 880-48706-10

Date Collected: 09/13/24 00:00

Matrix: Solid

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	<0.00404	U	0.00404		mg/Kg			09/21/24 05:55	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			09/23/24 19:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 19:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 19:56	1
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1480		24.9		mg/Kg			09/20/24 20:53	5

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

Lab Sample ID: 880-48706-11

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/21/24 06:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/24/24 00:47	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		09/23/24 09:26	09/24/24 00:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/24 09:26	09/24/24 00:47	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48706-11

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		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	D	Prepared	Analyzed	Dil Fac
Chloride	758	F1	25.2		mg/Kg			09/20/24 16:53	5

Client Sample ID: S-3 (2')

Lab Sample ID: 880-48706-12

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 17:00	09/21/24 07:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 17:00	09/21/24 07:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				09/19/24 17:00	09/21/24 07:07	1
1,4-Difluorobenzene (Surr)	105		70 - 130				09/19/24 17:00	09/21/24 07:07	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/24/24 01:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/23/24 09:26	09/24/24 01:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/24 09:26	09/24/24 01:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/24 09:26	09/24/24 01:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				09/23/24 09:26	09/24/24 01:03	1
o-Terphenyl	91		70 - 130				09/23/24 09:26	09/24/24 01:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	653		25.1		mg/Kg			09/20/24 17:10	5

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: S-3 (3')

Lab Sample ID: 880-48706-13

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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
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 Calculation

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 Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/24/24 01:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/23/24 09:26	09/24/24 01:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/24 09:26	09/24/24 01:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/24 09:26	09/24/24 01:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	09/23/24 09:26	09/24/24 01:36	1
o-Terphenyl	85		70 - 130	09/23/24 09:26	09/24/24 01:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	710		25.1		mg/Kg			09/20/24 17:15	5

Client Sample ID: S-3 (4')

Lab Sample ID: 880-48706-14

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: S-3 (4')

Lab Sample ID: 880-48706-14

Date Collected: 09/13/24 00:00

Matrix: Solid

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	<0.00404	U	0.00404		mg/Kg			09/21/24 07:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/24/24 01:51	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	714		24.9		mg/Kg			09/20/24 17:20	5

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 8021B - Volatile Organic Compounds (GC)

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 Calculation

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 - 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			09/24/24 02:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/23/24 09:26	09/24/24 02:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/24 09:26	09/24/24 02:08	1

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Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: S-3 (5')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-15  
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<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		mg/Kg			09/20/24 17:26	5

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Spill #2

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-48620-A-3-B MS	Matrix Spike	105	102
880-48620-A-3-C MSD	Matrix Spike Duplicate	108	99
880-48706-1	S-1 (0-1')	110	100
880-48706-2	S-1 (2')	104	101
880-48706-3	S-1 (3')	104	102
880-48706-4	S-1 (4')	106	99
880-48706-5	S-1 (5')	100	101
880-48706-6	S-2 (0-1')	109	100
880-48706-7	S-2 (2')	105	101
880-48706-8	S-2 (3')	109	102
880-48706-9	S-2 (4')	108	100
880-48706-10	S-2 (5')	106	101
880-48706-11	S-3 (0-1')	108	100
880-48706-12	S-3 (2')	110	105
880-48706-13	S-3 (3')	114	102
880-48706-14	S-3 (4')	126	111
880-48706-15	S-3 (5')	120	105
880-48707-A-41-A MS	Matrix Spike	103	99
880-48707-A-41-B MSD	Matrix Spike Duplicate	104	101
LCS 880-91200/1-A	Lab Control Sample	120	105
LCS 880-91229/1-A	Lab Control Sample	101	99
LCSD 880-91200/2-A	Lab Control Sample Dup	113	103
LCSD 880-91229/2-A	Lab Control Sample Dup	101	98
MB 880-91200/5-A	Method Blank	150 S1+	95
MB 880-91229/5-A	Method Blank	105	99
MB 880-91286/5-A	Method Blank	105	100
MB 880-91287/5-A	Method Blank	213 S1+	127
<b>Surrogate Legend</b>			
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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (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+

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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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (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+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			



QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91200/5-A							Client Sample ID: Method Blank			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 91281							Prep Batch: 91200			
Analyte	MB Result	MB 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	
Surrogate	MB %Recovery	MB 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	

Lab Sample ID: LCS 880-91200/1-A						Client Sample ID: Lab Control Sample					
Matrix: Solid						Prep Type: Total/NA					
Analysis Batch: 91281						Prep Batch: 91200					
Analyte			Spike	LCS	LCS				%Rec		
			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	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							Prep Type: Total/NA			
Analysis Batch: 91281							Prep Batch: 91200			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%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
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	113		70 - 130							
1,4-Difluorobenzene (Surr)	103		70 - 130							

Lab Sample ID: 880-48620-A-3-B MS							Client Sample ID: Matrix Spike			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 91281							Prep Batch: 91200			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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	

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48706-1  
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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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

Lab Sample ID: 880-48620-A-3-C MSD

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91200

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

Surrogate	MSD %Recovery	MSD 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

Analyte	MB Result	MB 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

Surrogate	MB %Recovery	MB 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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

## 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

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

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

Lab Sample ID: 880-48707-A-41-A MS

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91229

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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

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

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91229

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
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

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

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

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91229

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

Lab Sample ID: MB 880-91286/5-A

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91286

Analyte	MB	MB							
	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
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

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

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:22	09/20/24 12:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:22	09/20/24 12:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:22	09/20/24 12:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/20/24 09:22	09/20/24 12:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:22	09/20/24 12:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/20/24 09:22	09/20/24 12:44	1
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

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91410

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:30	09/23/24 11:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:30	09/23/24 11:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:30	09/23/24 11:38	1

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48706-1  
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

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91410

	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

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91410

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	986.6		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	856.2		mg/Kg		86	70 - 130		
Surrogate		LCS	LCS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	111		70 - 130								
o-Terphenyl	106		70 - 130								

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91410

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	976.6		mg/Kg		98	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)			1000	873.8		mg/Kg		87	70 - 130	2	20	
Surrogate		LCSD	LCSD									
	%Recovery	Qualifier	Limits									
1-Chlorooctane	113		70 - 130									
o-Terphenyl	107		70 - 130									

Lab Sample ID: 880-48699-A-1-G MS

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91410

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1113		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	1080		mg/Kg		105	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	132	S1+	70 - 130								
o-Terphenyl	126		70 - 130								

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48706-1  
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

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/23/24 09:26	09/23/24 21:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/24 09:26	09/23/24 21:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/24 09:26	09/23/24 21:17	1
Surrogate	MB %Recovery	MB 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

Prep Type: Total/NA

Prep Batch: 91441

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1034		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	847.6		mg/Kg		85	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	114		70 - 130						
o-Terphenyl	105		70 - 130						

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

Matrix: Solid

Analysis Batch: 91462

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91441

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

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Analysis Batch: 91462

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91441

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

Lab Sample ID: 890-7144-A-7-F MS

Matrix: Solid

Analysis Batch: 91462

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91441

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	754.3		mg/Kg		76	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	760.6		mg/Kg		76	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	102		70 - 130							
o-Terphenyl	90		70 - 130							

Lab Sample ID: 890-7144-A-7-G MSD

Matrix: Solid

Analysis Batch: 91462

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91441

	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	<50.0	U	999	765.5		mg/Kg		77	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	745.1		mg/Kg		75	70 - 130	2	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	102		70 - 130									
o-Terphenyl	88		70 - 130									

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91277/1-A

Matrix: Solid

Analysis Batch: 91299

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB									
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

Matrix: Solid

Analysis Batch: 91299

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

Lab Sample ID: LCSD 880-91277/3-A

Matrix: Solid

Analysis Batch: 91299

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

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

Lab Sample ID: 880-48706-1 MS

Matrix: Solid

Analysis Batch: 91299

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

Prep Type: Soluble

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

Lab Sample ID: 880-48706-1 MSD

Matrix: Solid

Analysis Batch: 91299

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

Prep Type: Soluble

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

Lab Sample ID: MB 880-91283/1-A

Matrix: Solid

Analysis Batch: 91312

Client Sample ID: Method Blank

Prep Type: Soluble

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

Lab Sample ID: LCS 880-91283/2-A

Matrix: Solid

Analysis Batch: 91312

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	247.3		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-91283/3-A

Matrix: Solid

Analysis Batch: 91312

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	248.2		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-48706-11 MS

Matrix: Solid

Analysis Batch: 91312

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

Prep Type: Soluble

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

Lab Sample ID: 880-48706-11 MSD

Matrix: Solid

Analysis Batch: 91312

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

Prep Type: Soluble

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

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48706-1  
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 Batch
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

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48706-1  
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	

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48706-1  
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

## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48706-1  
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	

Eurofins Midland



## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48706-1  
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

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Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48706-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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

Client Sample ID: S-1 (2')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 03:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91497	09/21/24 03:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			91625	09/23/24 17:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 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 17:46	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		10	50 mL	50 mL	91299	09/20/24 19:26	CH	EET MID

Client Sample ID: S-1 (3')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-3  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	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

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Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: S-1 (4')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

Client Sample ID: S-1 (5')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-5  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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

Lab Sample ID: 880-48706-6  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-7  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 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

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: S-2 (2')

Lab Sample ID: 880-48706-7

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 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

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	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

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48706-11

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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

Client Sample ID: S-3 (2')

Lab Sample ID: 880-48706-12

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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')

Lab Sample ID: 880-48706-14

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	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

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48706-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-15  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 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



Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Spill #2

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

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
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Method Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48706-1  
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: 880-48706-1  
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

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- 5
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- 12
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## Chain of Custody



880-48706 Chain of Custody

Page 1 of 2

Project Manager: Devin Dominguez		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 W Wall St Ste 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-701-5475		Email: <a href="mailto:mcarmona@carmonaresources.com">mcarmona@carmonaresources.com</a>			

Project Name: Spill #2		Turn Around		Pres. Code	
Project Number: 2511		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			
Project Location: Eddy County, New Mexico		Due Date:			
Sampler's Name: DD & PB		Standard			
PO #:					

SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No	
Received Intact:		Yes No		Yes No		Thermometer ID:		Yes No	
Cooler Custody Seals:		Yes No		Yes No		Correction Factor:		Yes No	
Sample Custody Seals:		Yes No		Yes No		Temperature Reading:		Yes No	
Total Containers:						Corrected Temperature:			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST										Preservative Codes	Sample Comments
S-1 (0-1')	9/13/2024		X		G	1												None: NO	DI Water: H <sub>2</sub> O	
S-1 (2')	9/13/2024		X		G	1												Cool: Cool	MeOH: Me	
S-1 (3')	9/13/2024		X		G	1												HCL: HC	HNO <sub>3</sub> : HN	
S-1 (4')	9/13/2024		X		G	1												H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
S-1 (5')	9/13/2024		X		G	1												H <sub>3</sub> PO <sub>4</sub> : HP		
S-2 (0-1')	9/13/2024		X		G	1												NaHSO <sub>4</sub> : NABIS		
S-2 (2')	9/13/2024		X		G	1												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		
S-2 (3')	9/13/2024		X		G	1												Zn Acetate+NaOH: Zn		
S-2 (4')	9/13/2024		X		G	1												NaOH+Ascorbic Acid: SAPC		
S-2 (5')	9/13/2024		X		G	1														

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		9/11/24				9/11/24	

Comments: Email to Mike Carmona / [mcarmona@carmonaresources.com](mailto:mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

## Chain of Custody

Work Order No: 45706

Page 2 of 2

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

Project Manager:	Devin Dominguez	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-701-5475	Email:	mcarmona@carmonaresources.com

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9/19/24		9/19/24

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48706-1

SDG Number: Eddy County. New Mexico

Login Number: 48706

List Number: 1

List Source: Eurofins Midland

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	





Environment Testing

- 1
- 2
- 3
- 4
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- 14

# 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  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: Carmona Resources  
Project/Site: Spil #2

Laboratory Job ID: 880-48705-1  
SDG: Eddy County, New Mexico

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
Surrogate Summary . . . . .	9
QC Sample Results . . . . .	10
QC Association Summary . . . . .	14
Lab Chronicle . . . . .	16
Certification Summary . . . . .	18
Method Summary . . . . .	19
Sample Summary . . . . .	20
Chain of Custody . . . . .	21
Receipt Checklists . . . . .	22

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



Definitions/Glossary

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
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.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: 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

## Client Sample Results

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
SDG: Eddy County. New Mexico

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

Lab Sample ID: 880-48705-1

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 05:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 05:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 05:46	1
m-Xylene & p-Xylene	0.00666		0.00400		mg/Kg		09/19/24 13:30	09/21/24 05:46	1
o-Xylene	0.0117		0.00200		mg/Kg		09/19/24 13:30	09/21/24 05:46	1
Xylenes, Total	0.0184		0.00400		mg/Kg		09/19/24 13:30	09/21/24 05:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	423	S1+	70 - 130	09/19/24 13:30	09/21/24 05:46	1
1,4-Difluorobenzene (Surr)	122		70 - 130	09/19/24 13:30	09/21/24 05:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0184		0.00400		mg/Kg			09/21/24 05:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/23/24 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/21/24 17:31	09/23/24 16:09	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/21/24 17:31	09/23/24 16:09	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:31	09/23/24 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	162	S1+	70 - 130	09/21/24 17:31	09/23/24 16:09	1
o-Terphenyl	145	S1+	70 - 130	09/21/24 17:31	09/23/24 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1250		49.8		mg/Kg			09/20/24 18:25	10

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

Lab Sample ID: 880-48705-2

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
SDG: Eddy County. New Mexico

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

Lab Sample ID: 880-48705-2

Date Collected: 09/13/24 00:00

Matrix: Solid

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	<0.00401	U	0.00401		mg/Kg			09/21/24 06:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/23/24 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 16:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 16:25	1
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
1-Chlorooctane	147	S1+	70 - 130				09/21/24 17:31	09/23/24 16:25	1
o-Terphenyl	130		70 - 130				09/21/24 17:31	09/23/24 16:25	1

## 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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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)	103		70 - 130				09/19/24 13:30	09/21/24 06:27	1
1,4-Difluorobenzene (Surr)	94		70 - 130				09/19/24 13:30	09/21/24 06:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 06:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 16:42	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 16:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 16:42	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
SDG: Eddy County. New Mexico

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2150		50.2		mg/Kg			09/20/24 18:42	10

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

Lab Sample ID: 880-48705-4

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:30	09/21/24 06:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:30	09/21/24 06:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:30	09/21/24 06:47	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:30	09/21/24 06:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:30	09/21/24 06:47	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:30	09/21/24 06:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				09/19/24 13:30	09/21/24 06:47	1
1,4-Difluorobenzene (Surr)	111		70 - 130				09/19/24 13:30	09/21/24 06:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/21/24 06:47	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			09/23/24 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 16:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 16:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 16:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				09/21/24 17:31	09/23/24 16:58	1
o-Terphenyl	125		70 - 130				09/21/24 17:31	09/23/24 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14100		252		mg/Kg			09/20/24 18:51	50

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (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
<b>Surrogate Legend</b>			
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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (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
LCS 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
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			



## QC Sample Results

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
SDG: Eddy County. New Mexico

## 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

Analyte	MB Result	MB 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

Surrogate	MB %Recovery	MB 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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Surrogate	LCS %Recovery	LCS Qualifier	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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

Surrogate	LCSD %Recovery	LCSD 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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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QC Sample Results

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	105		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: 880-48620-A-3-C MSD  
Matrix: Solid  
Analysis Batch: 91281

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 91200

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	108		70 - 130								
1,4-Difluorobenzene (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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:22	09/20/24 12:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:22	09/20/24 12:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:22	09/20/24 12:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/20/24 09:22	09/20/24 12:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:22	09/20/24 12:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/20/24 09:22	09/20/24 12:44	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
4-Bromofluorobenzene (Surr)	213	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	127		70 - 130						

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

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:30	09/23/24 11:38	1

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QC Sample Results

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
SDG: Eddy County. New Mexico

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

Lab Sample ID: MB 880-91410/1-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 91463							Prep Batch: 91410		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:30	09/23/24 11:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:30	09/23/24 11:38	1
Surrogate	MB %Recovery	MB 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

Lab Sample ID: LCS 880-91410/2-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 91463							Prep Batch: 91410		
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	986.6		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)			1000	856.2		mg/Kg		86	70 - 130
Surrogate	LCS %Recovery	LCS 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						Prep Type: Total/NA					
Analysis Batch: 91463						Prep Batch: 91410					
Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Gasoline Range Organics (GRO)-C6-C10			1000	976.6		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	873.8		mg/Kg		87	70 - 130	2	20
			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				
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1113		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	1080		mg/Kg		105	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	132	S1+	70 - 130								
o-Terphenyl	126		70 - 130								



## QC Sample Results

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
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 (GRO)-C6-C10	<50.1	U	1010	1102		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	1112		mg/Kg		108	70 - 130	3	20
Surrogate	MSD %Recovery	MSD 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**

**Matrix: Solid**

**Analysis Batch: 91299**

**Client Sample ID: Method Blank**

Prep Type: Soluble

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

**Lab Sample ID: LCS 880-91277/2-A**

**Matrix: Solid**

**Analysis Batch: 91299**

**Client Sample ID: Lab Control Sample**

**Prep Type: Soluble**

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

**Lab Sample ID: LCSD 880-91277/3-A**

**Matrix: Solid**

Analysis Batch: 91299

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

**Prep Type: Soluble**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	RPD	RPD
							Limits		Limits
Chloride	250	234.7		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-48699-A-1-C MS

**Matrix: Solid**

**Analysis Batch: 91299**

**Client Sample ID: Matrix Spike**

**Prep Type: Soluble**

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

**Lab Sample ID: 880-48699-A-1-D MSD**

**Matrix: Solid**

**Analysis Batch: 91299**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Chloride	8.67		249	242.5		mg/Kg		94	90 - 110	0	20

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48705-1	H-1 (0-1')	Total/NA	Solid	Total BTEX	
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

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

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
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

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Lab Chronicle

Client: Carmona Resources  
Project/Site: Spil #2

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91200	09/19/24 13:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91281	09/21/24 06:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91496	09/21/24 06:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			91633	09/23/24 16:25	SM	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 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	CH	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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: 880-48705-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	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

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Lab Chronicle

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

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

Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
SDG: Eddy County. New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources  
Project/Site: Spil #2

Job ID: 880-48705-1  
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: 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

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



## Chain of Custody



380-48705 Chain of Custody

Page 1 of 1

[illegible]

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48705-1

SDG Number: Eddy County. New Mexico

Login Number: 48705

List Number: 1

List Source: Eurofins Midland

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	



Environment Testing

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

# 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



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



Client: Carmona Resources  
Project/Site: Spill #2

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

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	7
Surrogate Summary . . . . .	44
QC Sample Results . . . . .	47
QC Association Summary . . . . .	59
Lab Chronicle . . . . .	70
Certification Summary . . . . .	85
Method Summary . . . . .	86
Sample Summary . . . . .	87
Chain of Custody . . . . .	88
Receipt Checklists . . . . .	92

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

**Case Narrative**

Client: Carmona Resources  
Project: Spill #2

Job ID: 880-48707-1

**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),

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## Case Narrative

Client: Carmona Resources  
Project: Spill #2

Job ID: 880-48707-1

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

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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 Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-1

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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 - 130	09/19/24 13:42	09/22/24 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/22/24 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/22/24 09:26	1

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

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

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

## Method: EPA 300.0 - Anions, Ion 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')

Lab Sample ID: 880-48707-2

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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 Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-1 (2')

Lab Sample ID: 880-48707-2

Date Collected: 09/13/24 00:00

Matrix: Solid

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	<0.00401	U	0.00401		mg/Kg			09/22/24 16:53	1

## Method: SW846 8015 NM - Diesel 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

## 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	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 10:23	1
Diesel Range Organics (Over C10-C28)	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 10:23	1
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-Terphenyl	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

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 17:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 17:13	1
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
1,4-Difluorobenzene (Surr)	113		70 - 130				09/19/24 13:42	09/22/24 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/22/24 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/22/24 10:42	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 *- *1	50.0		mg/Kg		09/21/24 17:33	09/22/24 10:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		09/21/24 17:33	09/22/24 10:42	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-3

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2790		100		mg/Kg			09/20/24 17:53	20

Client Sample ID: BG-2 (2')

Lab Sample ID: 880-48707-4

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 17:34	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 11:01	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2600		100		mg/Kg			09/20/24 17:58	20

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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 Calculation

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	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/22/24 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5380		99.6		mg/Kg			09/20/24 18:04	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/22/24 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/22/24 11:40	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 *- *1	50.0		mg/Kg		09/21/24 17:33	09/22/24 11:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		09/21/24 17:33	09/22/24 11:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:33	09/22/24 11:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				09/21/24 17:33	09/22/24 11:40	1
o-Terphenyl	160	S1+	70 - 130				09/21/24 17:33	09/22/24 11:40	1

## 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	20

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

Lab Sample ID: 880-48707-7

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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
1,4-Difluorobenzene (Surr)	110		70 - 130				09/19/24 13:42	09/22/24 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/22/24 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *- *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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-7

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<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	Prepared	Analyzed	Dil Fac
Chloride	5300		99.2		mg/Kg			09/20/24 18:25	20

Client Sample ID: BG-4 (2')

Lab Sample ID: 880-48707-8

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		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: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/22/24 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 12:19	1
Diesel Range Organics (Over C10-C28)	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 12:19	1
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 Fac
1-Chlorooctane	183	S1+	70 - 130				09/21/24 17:33	09/22/24 12:19	1
o-Terphenyl	193	S1+	70 - 130				09/21/24 17:33	09/22/24 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5280		101		mg/Kg			09/20/24 18:30	20

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-9

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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 Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/22/24 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/22/24 12:40	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	<50.1	U *- *1	50.1		mg/Kg		09/21/24 17:33	09/22/24 12:40	1
Diesel Range Organics (Over C10-C28)	<50.1	U *- *1	50.1		mg/Kg		09/21/24 17:33	09/22/24 12:40	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/21/24 17:33	09/22/24 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130	09/21/24 17:33	09/22/24 12:40	1
o-Terphenyl	143	S1+	70 - 130	09/21/24 17:33	09/22/24 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6660		99.6		mg/Kg			09/20/24 18:47	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:42	09/22/24 19:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:42	09/22/24 19:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:42	09/22/24 19:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/19/24 13:42	09/22/24 19:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:42	09/22/24 19:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/19/24 13:42	09/22/24 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	09/19/24 13:42	09/22/24 19:37	1
1,4-Difluorobenzene (Surr)	105		70 - 130	09/19/24 13:42	09/22/24 19:37	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

## 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			09/22/24 19:37	1

## Method: SW846 8015 NM - Diesel 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 12:58	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	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 12:58	1
Diesel Range Organics (Over C10-C28)	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 12:58	1
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 Chromatography - Soluble

Analyte	Result	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

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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 Calculation

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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/22/24 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	49.9		mg/Kg		09/21/24 17:33	09/22/24 13:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9		mg/Kg		09/21/24 17:33	09/22/24 13:36	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<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 Chromatography - 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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 21:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 21:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				09/19/24 13:42	09/22/24 21:47	1
1,4-Difluorobenzene (Surr)	117		70 - 130				09/19/24 13:42	09/22/24 21:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 21:47	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 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *- *1	49.8		mg/Kg		09/21/24 17:33	09/22/24 13:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		09/21/24 17:33	09/22/24 13:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:33	09/22/24 13:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	169	S1+	70 - 130				09/21/24 17:33	09/22/24 13:55	1
o-Terphenyl	179	S1+	70 - 130				09/21/24 17:33	09/22/24 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15700		251		mg/Kg			09/20/24 19:03	50

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-7 (2')

Lab Sample ID: 880-48707-13

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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	U	0.00400		mg/Kg			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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *- *1	49.8		mg/Kg		09/21/24 17:33	09/22/24 14:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		09/21/24 17:33	09/22/24 14:15	1
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
o-Terphenyl	183	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

Client Sample ID: BG-8 (0-1')

Lab Sample ID: 880-48707-14

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-8 (0-1')

Lab Sample ID: 880-48707-14

Date Collected: 09/13/24 00:00

Matrix: Solid

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	<0.00401	U	0.00401		mg/Kg			09/22/24 22:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/22/24 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *- *1	50.3		mg/Kg		09/21/24 17:33	09/22/24 14:33	1
Diesel Range Organics (Over C10-C28)	<50.3	U *- *1	50.3		mg/Kg		09/21/24 17:33	09/22/24 14:33	1
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	990		24.8		mg/Kg			09/20/24 19:14	5

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:42	09/22/24 22:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:42	09/22/24 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				09/19/24 13:42	09/22/24 22:48	1
1,4-Difluorobenzene (Surr)	111		70 - 130				09/19/24 13:42	09/22/24 22:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/22/24 22:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.2		50.4		mg/Kg			09/22/24 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *- *1	50.4		mg/Kg		09/21/24 17:33	09/22/24 14:53	1
Diesel Range Organics (Over C10-C28)	69.2	*- *1	50.4		mg/Kg		09/21/24 17:33	09/22/24 14:53	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	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 - 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
Chloride	1660		49.8		mg/Kg			09/20/24 19:19	10

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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 - Total BTEX Calculation

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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/22/24 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *- *1	49.7		mg/Kg		09/21/24 17:33	09/22/24 15:11	1
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	49.7		mg/Kg		09/21/24 17:33	09/22/24 15:11	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:33	09/22/24 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	158	S1+	70 - 130				09/21/24 17:33	09/22/24 15:11	1
o-Terphenyl	158	S1+	70 - 130				09/21/24 17:33	09/22/24 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2220	F1	50.4		mg/Kg			09/20/24 22:03	10

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Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:29	1
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	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				09/19/24 13:42	09/22/24 23:29	1
1,4-Difluorobenzene (Surr)	108		70 - 130				09/19/24 13:42	09/22/24 23:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 23:29	1

Method: SW846 8015 NM - Diesel Range Organics (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 15:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 15:32	1
Diesel Range Organics (Over C10-C28)	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 15:32	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/21/24 17:33	09/22/24 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				09/21/24 17:33	09/22/24 15:32	1
o-Terphenyl	152	S1+	70 - 130				09/21/24 17:33	09/22/24 15:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		25.1		mg/Kg			09/20/24 22:29	5

Client Sample ID: BG-10 (0-1')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-18  
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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

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## Client Sample Results

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

Date Collected: 09/13/24 00:00

Matrix: Solid

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/22/24 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *- *1	50.4		mg/Kg		09/21/24 17:33	09/22/24 15:51	1
Diesel Range Organics (Over C10-C28)	<50.4	U *- *1	50.4		mg/Kg		09/21/24 17:33	09/22/24 15:51	1
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
Chloride	6460		101		mg/Kg			09/23/24 12:59	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:10	1
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
1,4-Difluorobenzene (Surr)	112		70 - 130				09/19/24 13:42	09/23/24 00:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/23/24 00:10	1

## Method: SW846 8015 NM - Diesel 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 16:11	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	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 16:11	1
Diesel Range Organics (Over C10-C28)	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 16:11	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	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	D	Prepared	Analyzed	Dil Fac
Chloride	5340		99.6		mg/Kg			09/20/24 22:47	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/23/24 00:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/22/24 16:30	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 *- *1	50.0		mg/Kg		09/21/24 17:33	09/22/24 16:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		09/21/24 17:33	09/22/24 16:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:33	09/22/24 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				09/21/24 17:33	09/22/24 16:30	1
o-Terphenyl	140	S1+	70 - 130				09/21/24 17:33	09/22/24 16:30	1

## 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

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Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/20/24 23:27	1
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	1
o-Xylene	<0.00202	U F1	0.00202		mg/Kg		09/19/24 13:45	09/20/24 23:27	1
Xylenes, Total	<0.00404	U F1	0.00404		mg/Kg		09/19/24 13:45	09/20/24 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/19/24 13:45	09/20/24 23:27	1
1,4-Difluorobenzene (Surr)	88		70 - 130				09/19/24 13:45	09/20/24 23:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/20/24 23:27	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 18:07	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/21/24 17:36	09/22/24 18:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		09/21/24 17:36	09/22/24 18:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:36	09/22/24 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				09/21/24 17:36	09/22/24 18:07	1
o-Terphenyl	133	S1+	70 - 130				09/21/24 17:36	09/22/24 18:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13400		251		mg/Kg			09/20/24 23:22	50

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

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/20/24 23:48	1

## Method: SW846 8015 NM - Diesel 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 19:04	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	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 19:04	1
Diesel Range Organics (Over C10-C28)	<50.5	U **	50.5		mg/Kg		09/21/24 17:36	09/22/24 19:04	1
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 Chromatography - Soluble

Analyte	Result	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

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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)	88		70 - 130				09/19/24 13:45	09/21/24 00:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/21/24 00:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/22/24 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/21/24 17:36	09/22/24 19:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		09/21/24 17:36	09/22/24 19:23	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-12 (2')

Lab Sample ID: 880-48707-23

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/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')

Lab Sample ID: 880-48707-24

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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

## 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			09/21/24 00:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/22/24 19:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/22/24 19:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		09/21/24 17:36	09/22/24 19:44	1
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
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

## 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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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 Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/22/24 20:03	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 17:36	09/22/24 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		09/21/24 17:36	09/22/24 20:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				09/21/24 17:36	09/22/24 20:03	1
o-Terphenyl	142	S1+	70 - 130				09/21/24 17:36	09/22/24 20:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3910		99.4		mg/Kg			09/20/24 23:57	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 01:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/22/24 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/21/24 17:36	09/22/24 20:23	1
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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3230	F1	49.6		mg/Kg			09/21/24 00:05	10

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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 Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 01:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/22/24 20:42	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	<50.1	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

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Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	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 - 130				09/21/24 17:36	09/22/24 20:42	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2670		25.3		mg/Kg			09/21/24 00:32	5

Client Sample ID: BG-15 (0-1')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-28  
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		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: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/21/24 01:51	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/22/24 21:01	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/21/24 17:36	09/22/24 21:01	1
Diesel Range Organics (Over C10-C28)	<50.4	U **	50.4		mg/Kg		09/21/24 17:36	09/22/24 21:01	1
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
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		5.01		mg/Kg			09/21/24 00:40	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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 - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 02:12	1

## Method: SW846 8015 NM - Diesel 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 21:21	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	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 21:21	1
Diesel Range Organics (Over C10-C28)	<50.5	U *	50.5		mg/Kg		09/21/24 17:36	09/22/24 21:21	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 21:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	236	S1+	70 - 130	09/21/24 17:36	09/22/24 21:21	1
o-Terphenyl	242	S1+	70 - 130	09/21/24 17:36	09/22/24 21:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		5.04		mg/Kg			09/21/24 01:06	1

Client Sample ID: BG-16 (0-1')

Lab Sample ID: 880-48707-30

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-16 (0-1')

Lab Sample ID: 880-48707-30

Date Collected: 09/13/24 00:00

Matrix: Solid

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	<0.00402	U	0.00402		mg/Kg			09/21/24 02:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/22/24 21:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/21/24 17:36	09/22/24 21:40	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		09/21/24 17:36	09/22/24 21:40	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:36	09/22/24 21:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				09/21/24 17:36	09/22/24 21:40	1
o-Terphenyl	134	S1+	70 - 130				09/21/24 17:36	09/22/24 21:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	579		5.04		mg/Kg			09/21/24 01:15	1

Client Sample ID: BG-16 (2')

Lab Sample ID: 880-48707-31

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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 Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 03:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/22/24 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/21/24 17:36	09/22/24 22:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		09/21/24 17:36	09/22/24 22:19	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-16 (2')

Lab Sample ID: 880-48707-31

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<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
1-Chlorooctane	155	S1+	70 - 130				09/21/24 17:36	09/22/24 22:19	1
o-Terphenyl	167	S1+	70 - 130				09/21/24 17:36	09/22/24 22:19	1

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

Analyte	Result	Qualifier	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')

Lab Sample ID: 880-48707-32

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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
1,4-Difluorobenzene (Surr)	84		70 - 130				09/19/24 13:45	09/21/24 04:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 04:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/22/24 22:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/21/24 17:36	09/22/24 22:38	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		09/21/24 17:36	09/22/24 22:38	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:36	09/22/24 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				09/21/24 17:36	09/22/24 22:38	1
o-Terphenyl	136	S1+	70 - 130				09/21/24 17:36	09/22/24 22:38	1

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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-17 (2')

Lab Sample ID: 880-48707-33

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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 - Total BTEX Calculation

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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/22/24 22:58	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 17:36	09/22/24 22:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		09/21/24 17:36	09/22/24 22:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	09/21/24 17:36	09/22/24 22:58	1
o-Terphenyl	141	S1+	70 - 130	09/21/24 17:36	09/22/24 22:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.21		4.96		mg/Kg			09/21/24 01:41	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/21/24 04:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		09/21/24 17:36	09/22/24 23:17	1
Diesel Range Organics (Over C10-C28)	<50.2	U **	50.2		mg/Kg		09/21/24 17:36	09/22/24 23:17	1
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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		4.98		mg/Kg			09/21/24 01:50	1

Client Sample ID: BG-18 (2')

Lab Sample ID: 880-48707-35

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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)	90		70 - 130				09/19/24 13:45	09/21/24 05:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 05:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/22/24 23:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/21/24 17:36	09/22/24 23:36	1
Diesel Range Organics (Over C10-C28)	<50.4	U **	50.4		mg/Kg		09/21/24 17:36	09/22/24 23:36	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-18 (2')

Lab Sample ID: 880-48707-35

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	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 Chromatography - Soluble

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

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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 - Total BTEX Calculation

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 - Diesel 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 23:55	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	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 23:55	1
Diesel Range Organics (Over C10-C28)	<50.5	U **	50.5		mg/Kg		09/21/24 17:36	09/22/24 23:55	1
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10100	F1	101		mg/Kg			09/21/24 03:56	20

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-19 (2')

Lab Sample ID: 880-48707-37

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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

## 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			09/21/24 06:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/23/24 00:14	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	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/23/24 00:14	1
Diesel Range Organics (Over C10-C28)	<50.5	U *	50.5		mg/Kg		09/21/24 17:36	09/23/24 00:14	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/23/24 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130	09/21/24 17:36	09/23/24 00:14	1
o-Terphenyl	150	S1+	70 - 130	09/21/24 17:36	09/23/24 00:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5230		100		mg/Kg			09/21/24 04:16	20

Client Sample ID: BG-20 (0-1')

Lab Sample ID: 880-48707-38

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-20 (0-1')

Lab Sample ID: 880-48707-38

Date Collected: 09/13/24 00:00

Matrix: Solid

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			09/21/24 06:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 00:33	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 17:36	09/23/24 00:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:33	1
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6870		101		mg/Kg			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

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 13:45	09/21/24 06:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 13:45	09/21/24 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				09/19/24 13:45	09/21/24 06:42	1
1,4-Difluorobenzene (Surr)	83		70 - 130				09/19/24 13:45	09/21/24 06:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/21/24 06:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 00:53	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 17:36	09/23/24 00:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:53	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-20 (2')

Lab Sample ID: 880-48707-39

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		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	D	Prepared	Analyzed	Dil Fac
Chloride	4790		99.6		mg/Kg			09/21/24 04:29	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/21/24 07:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/23/24 01:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/23/24 01:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		09/21/24 17:36	09/23/24 01:13	1
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 Chromatography - 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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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 - Total BTEX Calculation

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 Organics (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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/21/24 17:28	09/22/24 22:38	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/21/24 17:28	09/22/24 22:38	1
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
o-Terphenyl	147	S1+	70 - 130	09/21/24 17:28	09/22/24 22:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1020		5.04		mg/Kg			09/21/24 04:56	1

Client Sample ID: BG-22 (0-1')

Lab Sample ID: 880-48707-42

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-22 (0-1')

Lab Sample ID: 880-48707-42

Date Collected: 09/13/24 00:00

Matrix: Solid

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	<0.00401	U	0.00401		mg/Kg			09/20/24 23:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/22/24 22:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/21/24 17:28	09/22/24 22:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/21/24 17:28	09/22/24 22:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:28	09/22/24 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				09/21/24 17:28	09/22/24 22:58	1
o-Terphenyl	129		70 - 130				09/21/24 17:28	09/22/24 22:58	1

## 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')

Lab Sample ID: 880-48707-43

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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
1,4-Difluorobenzene (Surr)	102		70 - 130				09/19/24 13:47	09/20/24 23:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/20/24 23:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/22/24 23:17	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 17:28	09/22/24 23:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/22/24 23:17	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-22 (2')

Lab Sample ID: 880-48707-43

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		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	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1940		49.8		mg/Kg			09/21/24 05:09	10

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/20/24 23:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/20/24 23:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/20/24 23:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/20/24 23:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/20/24 23:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/20/24 23:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				09/19/24 13:47	09/20/24 23:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/19/24 13:47	09/20/24 23:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/20/24 23:46	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 23:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/21/24 17:28	09/22/24 23:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/21/24 17:28	09/22/24 23:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:28	09/22/24 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				09/21/24 17:28	09/22/24 23:36	1
o-Terphenyl	125		70 - 130				09/21/24 17:28	09/22/24 23:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2440		99.0		mg/Kg			09/21/24 05:16	20

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-23 (2')

Lab Sample ID: 880-48707-45

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 00:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/19/24 13:47	09/21/24 00:07	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/19/24 13:47	09/21/24 00:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 00:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/22/24 23:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/21/24 17:28	09/22/24 23:55	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/21/24 17:28	09/22/24 23:55	1
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	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

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

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	<0.00399	U	0.00399		mg/Kg			09/21/24 00:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		09/21/24 17:28	09/23/24 00:14	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		09/21/24 17:28	09/23/24 00:14	1
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2590		100		mg/Kg			09/21/24 05:29	20

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 8021B - Volatile Organic Compounds (GC)

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 00:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 00:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				09/19/24 13:47	09/21/24 00:48	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/19/24 13:47	09/21/24 00:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 00:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/23/24 00:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/21/24 17:28	09/23/24 00:33	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/21/24 17:28	09/23/24 00:33	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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 - Diesel Range Organics (DRO) (GC) (Continued)

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	D	Prepared	Analyzed	Dil Fac
Chloride	2000		101		mg/Kg			09/21/24 05:49	20

Client Sample ID: BG-25 (0-1')

Lab Sample ID: 880-48707-48

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:47	09/21/24 01:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:47	09/21/24 01:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:47	09/21/24 01:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/19/24 13:47	09/21/24 01:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:47	09/21/24 01:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/19/24 13:47	09/21/24 01:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/19/24 13:47	09/21/24 01:08	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/19/24 13:47	09/21/24 01:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/21/24 01:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/23/24 00:53	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	<50.5	U	50.5		mg/Kg		09/21/24 17:28	09/23/24 00:53	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/21/24 17:28	09/23/24 00:53	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:28	09/23/24 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				09/21/24 17:28	09/23/24 00:53	1
o-Terphenyl	144	S1+	70 - 130				09/21/24 17:28	09/23/24 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.57		4.98		mg/Kg			09/21/24 05:56	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-25 (2')

Lab Sample ID: 880-48707-49

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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	1

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 Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 01:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 01:13	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 17:28	09/23/24 01:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/23/24 01:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/23/24 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	09/21/24 17:28	09/23/24 01:13	1
o-Terphenyl	136	S1+	70 - 130	09/21/24 17:28	09/23/24 01:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.38		4.95		mg/Kg			09/21/24 06:16	1

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Spill #2

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(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
880-48707-6	BG-3 (2')	130	111
880-48707-7	BG-4 (0-1')	128	110
880-48707-8	BG-4 (2')	133 S1+	116
880-48707-9	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
880-48707-13	BG-7 (2')	121	111
880-48707-14	BG-8 (0-1')	128	115
880-48707-15	BG-8 (2')	128	111
880-48707-16	BG-9 (0-1')	119	116
880-48707-17	BG-9 (2')	140 S1+	108
880-48707-18	BG-10 (0-1')	130	113
880-48707-19	BG-10 (2')	132 S1+	112
880-48707-20	BG-11 (0-1')	142 S1+	124
880-48707-21	BG-11 (2')	90	88
880-48707-21 MS	BG-11 (2')	89	107
880-48707-21 MSD	BG-11 (2')	91	97
880-48707-22	BG-12 (0-1')	82	87
880-48707-23	BG-12 (2')	90	88
880-48707-24	BG-13 (0-1')	87	78
880-48707-25	BG-13 (2')	85	88
880-48707-26	BG-14 (0-1')	101	80
880-48707-27	BG-14 (2')	85	75
880-48707-28	BG-15 (0-1')	84	74
880-48707-29	BG-15 (2')	84	81
880-48707-30	BG-16 (0-1')	86	84
880-48707-31	BG-16 (2')	91	76
880-48707-32	BG-17 (0-1')	87	84
880-48707-33	BG-17 (2')	91	92
880-48707-34	BG-18 (0-1')	90	81
880-48707-35	BG-18 (2')	85	90
880-48707-36	BG-19 (0-1')	83	75
880-48707-37	BG-19 (2')	85	84
880-48707-38	BG-20 (0-1')	93	80
880-48707-39	BG-20 (2')	89	83
880-48707-40	BG-21 (0-1')	86	73
880-48707-41	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

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Surrogate Summary

Client: Carmona Resources  
Project/Site: Spill #2

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-48707-44	BG-23 (0-1')	108	101				
880-48707-45	BG-23 (2')	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							
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)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(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+				

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## 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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-48707-20	BG-11 (0-1')	138 S1+	140 S1+
880-48707-21	BG-11 (2')	127	133 S1+
880-48707-21 MS	BG-11 (2')	138 S1+	128
880-48707-21 MSD	BG-11 (2')	157 S1+	147 S1+
880-48707-22	BG-12 (0-1')	130	138 S1+
880-48707-23	BG-12 (2')	138 S1+	170 S1+
880-48707-24	BG-13 (0-1')	165 S1+	175 S1+
880-48707-25	BG-13 (2')	131 S1+	142 S1+
880-48707-26	BG-14 (0-1')	161 S1+	171 S1+
880-48707-27	BG-14 (2')	144 S1+	158 S1+
880-48707-28	BG-15 (0-1')	167 S1+	180 S1+
880-48707-29	BG-15 (2')	236 S1+	242 S1+
880-48707-30	BG-16 (0-1')	133 S1+	134 S1+
880-48707-31	BG-16 (2')	155 S1+	167 S1+
880-48707-32	BG-17 (0-1')	132 S1+	136 S1+
880-48707-33	BG-17 (2')	138 S1+	141 S1+
880-48707-34	BG-18 (0-1')	149 S1+	148 S1+
880-48707-35	BG-18 (2')	151 S1+	149 S1+
880-48707-36	BG-19 (0-1')	146 S1+	149 S1+
880-48707-37	BG-19 (2')	146 S1+	150 S1+
880-48707-38	BG-20 (0-1')	172 S1+	180 S1+
880-48707-39	BG-20 (2')	159 S1+	172 S1+
880-48707-40	BG-21 (0-1')	139 S1+	149 S1+
880-48707-41	BG-21 (2')	146 S1+	147 S1+
880-48707-42	BG-22 (0-1')	121	129
880-48707-43	BG-22 (2')	132 S1+	131 S1+
880-48707-44	BG-23 (0-1')	130	125
880-48707-45	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+
880-48707-48	BG-25 (0-1')	151 S1+	144 S1+
880-48707-49	BG-25 (2')	138 S1+	136 S1+
LCS 880-91409/2-A	Lab Control Sample	103	97
LCS 880-91411/2-A	Lab Control Sample	122	119
LCS 880-91412/2-A	Lab Control Sample	103	89
LCSD 880-91409/3-A	Lab Control Sample Dup	105	99
LCSD 880-91411/3-A	Lab Control Sample Dup	105	93
LCSD 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+

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91198/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 91280							Prep Batch: 91198		
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB 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		
Analysis Batch: 91420							Prep Batch: 91227		
Analyte	MB Result	MB 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 16:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:42	09/22/24 16:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 13:42	09/22/24 16:04	1
Surrogate	MB %Recovery	MB 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

Lab Sample ID: LCS 880-91227/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 91420							Prep Batch: 91227		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	94		70 - 130						

Lab Sample ID: LCSD 880-91227/2-A							Client Sample ID: Lab Control Sample Dup		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 91420							Prep Batch: 91227		
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Benzene		0.100	0.1015		mg/Kg		102	70 - 130	1 35

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-48707-1 MS

Matrix: Solid

Analysis Batch: 91420

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

Prep Type: Total/NA

Prep Batch: 91227

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
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	

Surrogate	MS		Limits
	%Recovery	Qualifier	
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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
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

Surrogate	MSD		Limits
	%Recovery	Qualifier	
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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
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

Matrix: Solid

Analysis Batch: 91280

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91228

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits		
		Result	Qualifier						
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		
o-Xylene	0.100	0.1291		mg/Kg		129	70 - 130		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	124		70 - 130						
1,4-Difluorobenzene (Surr)	111		70 - 130						

Lab Sample ID: LCSD 880-91228/2-A

Matrix: Solid

Analysis Batch: 91280

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91228

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
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
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
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')

Prep Type: Total/NA

Prep Batch: 91228

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier		Result	Qualifier						
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		

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-48707-21 MSD

Matrix: Solid

Analysis Batch: 91280

Client Sample ID: BG-11 (2')

Prep Type: Total/NA

Prep Batch: 91228

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	97		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

Analyte	MB Result	MB 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							
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

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

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

## 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	
Surrogate	%Recovery	Qualifier	Limits
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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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  
Matrix: Solid  
Analysis Batch: 91278

Client Sample ID: BG-21 (2')  
Prep Type: Total/NA  
Prep Batch: 91229

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
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

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

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QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

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		
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB 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)

Lab Sample ID: MB 880-91409/1-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 91414							Prep Batch: 91409		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/22/24 17:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/22/24 17:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/22/24 17:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	213	S1+	70 - 130				09/21/24 17:28	09/22/24 17:09	1
o-Terphenyl	218	S1+	70 - 130				09/21/24 17:28	09/22/24 17:09	1

Lab Sample ID: LCS 880-91409/2-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 91414							Prep Batch: 91409		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10		1000	856.8		mg/Kg		86	70 - 130	
Diesel Range Organics (Over C10-C28)		1000	862.5		mg/Kg		86	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	103		70 - 130						
o-Terphenyl	97		70 - 130						

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		
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10		1000	854.6		mg/Kg		85	70 - 130	0 20

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QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

**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**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	939.8		mg/Kg		94	70 - 130	9	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	99		70 - 130						

**Lab Sample ID: 880-48608-A-1-D MS**  
**Matrix: Solid**  
**Analysis Batch: 91414**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 91409**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1010	725.4	F1	mg/Kg		69	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	879.6		mg/Kg		83	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	131	S1+	70 - 130								
o-Terphenyl	124		70 - 130								

**Lab Sample ID: 880-48608-A-1-E MSD**  
**Matrix: Solid**  
**Analysis Batch: 91414**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 91409**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1010	688.5	F1	mg/Kg		65	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	784.0		mg/Kg		74	70 - 130	11	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	119		70 - 130								
o-Terphenyl	111		70 - 130								

**Lab Sample ID: MB 880-91411/1-A**  
**Matrix: Solid**  
**Analysis Batch: 91416**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 91411**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:33	09/22/24 07:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:33	09/22/24 07:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:33	09/22/24 07:13	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	261	S1+	70 - 130						
o-Terphenyl	284	S1+	70 - 130						

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	694.6	*-	mg/Kg		69	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	608.0	*-	mg/Kg		61	70 - 130		
		LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	122		70 - 130								
o-Terphenyl	119		70 - 130								

Lab Sample ID: LCSD 880-91411/3-A

Matrix: Solid

Analysis Batch: 91416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91411

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier			Limits	Limit		
Gasoline Range Organics (GRO)-C6-C10			1000	866.2	*1	mg/Kg		87	70 - 130	22	20
Diesel Range Organics (Over C10-C28)			1000	967.8	*1	mg/Kg		97	70 - 130	46	20
Surrogate	LCSD	LCSD	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	105		70 - 130								
o-Terphenyl	93		70 - 130								

Lab Sample ID: 880-48707-1 MS

Matrix: Solid

Analysis Batch: 91416

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

Prep Type: Total/NA

Prep Batch: 91411

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier			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		
Surrogate	MS	MS	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	155	S1+	70 - 130								
o-Terphenyl	136	S1+	70 - 130								

Lab Sample ID: 880-48707-1 MSD

Matrix: Solid

Analysis Batch: 91416

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

Prep Type: Total/NA

Prep Batch: 91411

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	1000	1203		mg/Kg		117	70 - 130	14
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1 F1	1000	1430	F1	mg/Kg		138	70 - 130	17

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QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Client Sample ID: BG-1 (0-1')  
Prep Type: Total/NA  
Prep Batch: 91411

	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

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 17:09	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 17:09	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 17:09	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	270	S1+	70 - 130				09/21/24 17:36	09/22/24 17:09	1	
o-Terphenyl	279	S1+	70 - 130				09/21/24 17:36	09/22/24 17:09	1	

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

Analyte	Spike	LCS	LCS						%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1116		mg/Kg		112	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	1333	*+	mg/Kg		133	70 - 130			
Surrogate		LCS	LCS							
	%Recovery	Qualifier	Limits							
1-Chlorooctane	103		70 - 130							
o-Terphenyl	89		70 - 130							

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

Analyte	Spike	LCSD	LCSD						%Rec		RPD	
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD		Limit		
Gasoline Range Organics (GRO)-C6-C10	1000	1121		mg/Kg		112	70 - 130	0		20		
Diesel Range Organics (Over C10-C28)	1000	1104		mg/Kg		110	70 - 130	19		20		
Surrogate		LCSD	LCSD									
	%Recovery	Qualifier	Limits									
1-Chlorooctane	111		70 - 130									
o-Terphenyl	103		70 - 130									

## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

**Lab Sample ID: 880-48707-21 MS**

**Matrix: Solid**

Analysis Batch: 91416

**Client Sample ID: BG-11 (2')**

Prep Type: Total/NA

Prep Batch: 91412

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1010	1113		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U *+	1010	1159		mg/Kg		111	70 - 130		
Surrogate	MS %Recovery	MS 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

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1010	1147		mg/Kg		112	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U +*	1010	1324		mg/Kg		127	70 - 130	13	20
Surrogate	MSD %Recovery	MSD 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**

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

**Lab Sample ID: LCS 880-91283/2-A**

**Matrix: Solid**

**Analysis Batch: 91312**

**Client Sample ID: Lab Control Sample**

**Prep Type: Soluble**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Chloride	250	247.3		mg/Kg		99	90 - 110

**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	D	%Rec	Limits	RPD	Limits
Chloride			250	248.2		mg/Kg	-	99	90 - 110	0	20

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-6 MS

Matrix: Solid

Analysis Batch: 91312

Client Sample ID: BG-3 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

Client Sample ID: BG-3 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4180	F1	4970	10980	F1	mg/Kg		137	90 - 110	0	20

Lab Sample ID: MB 880-91284/1-A

Matrix: Solid

Analysis Batch: 91328

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/20/24 21:37	1

Lab Sample ID: LCS 880-91284/2-A

Matrix: Solid

Analysis Batch: 91328

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	234.7		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-91284/3-A

Matrix: Solid

Analysis Batch: 91328

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	232.2		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 880-48707-16 MS

Matrix: Solid

Analysis Batch: 91328

Client Sample ID: BG-9 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

Client Sample ID: BG-9 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2220	F1	2520	5080	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: 880-48707-26 MS

Matrix: Solid

Analysis Batch: 91328

Client Sample ID: BG-14 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3230	F1	2480	6062	F1	mg/Kg		114	90 - 110

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QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-48707-26 MSD												Client Sample ID: BG-14 (0-1')	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 91328													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac				
Chloride	<5.00	U	5.00		mg/Kg			09/21/24 03:36	1				
Lab Sample ID: LCS 880-91285/2-A												Client Sample ID: Lab Control Sample	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 91341													
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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													
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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')	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 91341													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	10100	F1	5030	16850	F1	mg/Kg		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													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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')	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 91341													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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')	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 91341													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	2590		5010	7997		mg/Kg		108	90 - 110	0	20		

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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 Batch
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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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

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

## GC VOA

## Analysis Batch: 91472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
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 (2')	Total/NA	Solid	Total BTEX	

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

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

## GC Semi VOA (Continued)

## Analysis Batch: 91416 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-13	BG-7 (2')	Total/NA	Solid	8015B NM	91411
880-48707-14	BG-8 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-15	BG-8 (2')	Total/NA	Solid	8015B NM	91411
880-48707-16	BG-9 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-17	BG-9 (2')	Total/NA	Solid	8015B NM	91411
880-48707-18	BG-10 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-19	BG-10 (2')	Total/NA	Solid	8015B NM	91411
880-48707-20	BG-11 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-21	BG-11 (2')	Total/NA	Solid	8015B NM	91412
880-48707-22	BG-12 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-23	BG-12 (2')	Total/NA	Solid	8015B NM	91412
880-48707-24	BG-13 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-25	BG-13 (2')	Total/NA	Solid	8015B NM	91412
880-48707-26	BG-14 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-27	BG-14 (2')	Total/NA	Solid	8015B NM	91412
880-48707-28	BG-15 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-29	BG-15 (2')	Total/NA	Solid	8015B NM	91412
880-48707-30	BG-16 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-31	BG-16 (2')	Total/NA	Solid	8015B NM	91412
880-48707-32	BG-17 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-33	BG-17 (2')	Total/NA	Solid	8015B NM	91412
880-48707-34	BG-18 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-35	BG-18 (2')	Total/NA	Solid	8015B NM	91412
880-48707-36	BG-19 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-37	BG-19 (2')	Total/NA	Solid	8015B NM	91412
880-48707-38	BG-20 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-39	BG-20 (2')	Total/NA	Solid	8015B NM	91412
880-48707-40	BG-21 (0-1')	Total/NA	Solid	8015B NM	91412
MB 880-91411/1-A	Method Blank	Total/NA	Solid	8015B NM	91411
MB 880-91412/1-A	Method Blank	Total/NA	Solid	8015B NM	91412
LCS 880-91411/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91411
LCS 880-91412/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91412
LCSD 880-91411/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91411
LCSD 880-91412/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91412
880-48707-1 MS	BG-1 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-1 MSD	BG-1 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-21 MS	BG-11 (2')	Total/NA	Solid	8015B NM	91412
880-48707-21 MSD	BG-11 (2')	Total/NA	Solid	8015B NM	91412

## 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	

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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	

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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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## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

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

## 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

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

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

## 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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Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 16:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 16:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 10:23	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 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	CH	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-2 (2')

Lab Sample ID: 880-48707-4

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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	Prep	8015NM Prep			10.07 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 12:00	SM	EET MID

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Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-8  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-9  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-10  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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

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Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-6 (2')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-11  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-12  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	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 Sample ID: 880-48707-14  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-8 (0-1')

Lab Sample ID: 880-48707-14

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 22:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 22:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			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	1 uL	1 uL	91416	09/22/24 14:53	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		10	50 mL	50 mL	91312	09/20/24 19:19	CH	EET MID

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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	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 15:32	SM	EET MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-9 (2')

Lab Sample ID: 880-48707-17

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91328	09/20/24 22:29	CH	EET MID

Client Sample ID: BG-10 (0-1')

Lab Sample ID: 880-48707-18

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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

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Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-22  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-23  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 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 MID
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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-24  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-13 (0-1')

Lab Sample ID: 880-48707-24

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 00:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 20:03	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 20:03	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		20	50 mL	50 mL	91328	09/20/24 23:57	CH	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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	Prep	8015NM Prep			9.98 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 20:42	SM	EET MID

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Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-28  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-29  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-30  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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

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Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 04:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 04:17	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	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 22:38	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 01:33	CH	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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	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	09/23/24 00:14	SM	EET MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

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

Client Sample ID: BG-19 (2')

Lab Sample ID: 880-48707-37

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 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

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 06:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 06:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 00:33	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 00:33	SM	EET MID
Soluble	Leach	DI Leach			4.95 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 04:22	CH	EET MID

Client Sample ID: BG-20 (2')

Lab Sample ID: 880-48707-39

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	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

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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 MID
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 MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91341	09/21/24 04:36	CH	EET MID

Eurofins Midland



Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-43  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-44  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-45  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-46  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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	Prep	8015NM Prep			9.92 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 00:33	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48707-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-48  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 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')  
Date Collected: 09/13/24 00:00  
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-49  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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 MID
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  
Project/Site: Spill #2

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

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

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
880-48707-15	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	BG-9 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-18	BG-10 (0-1')	Solid	09/13/24 00:00	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
880-48707-22	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
880-48707-27	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
880-48707-29	BG-15 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-30	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
880-48707-33	BG-17 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-34	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
880-48707-37	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
880-48707-39	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
880-48707-42	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
880-48707-48	BG-25 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-49	BG-25 (2')	Solid	09/13/24 00:00	09/19/24 11:40



880-48707 Chain of Custody

## Chain of Custody

Page 1 of 5

Project Manager: Devin Dominguez		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 W Wall St Site 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-701-5475		Email: <a href="mailto:mcarmona@carmonaresources.com">mcarmona@carmonaresources.com</a>			

Project Name:	Spill #2	Turn Around	Pres. Code	ANALYSIS REQUEST		Preservative Codes
Project Number:	2511	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush				None: NO DI Water: H <sub>2</sub> O
Project Location:	Eddy County, New Mexico	Due Date:				Cool: Cool MeOH: Me
Sampler's Name:	DD & PB					HCL: HC HNO <sub>3</sub> : HN
PO #:						H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na

SAMPLE RECEIPT		Temp Blank:		Wet Ice:	
Received Intact:	Yes No	Yes No	Yes No	Yes No	
Cooler Custody Seals:	Yes No	Yes No	Thermometer ID:		
Sample Custody Seals:	Yes No	Yes No	Correction Factor:		
Total Containers:			Temperature Reading:		
			Corrected Temperature:		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
BG-1 (0-1')	9/13/2024		X		G	1					
BG-1 (2')	9/13/2024		X		G	1					
BG-2 (0-1')	9/13/2024		X		G	1					
BG-2 (2')	9/13/2024		X		G	1					
BG-3 (0-1')	9/13/2024		X		G	1					
BG-3 (2')	9/13/2024		X		G	1					
BG-4 (0-1')	9/13/2024		X		G	1					
BG-4 (2')	9/13/2024		X		G	1					
BG-5 (0-1')	9/13/2024		X		G	1					
BG-6 (0-1')	9/13/2024		X		G	1					

Comments: Email to Mike Carmona / <a href="mailto:mcarmona@carmonaresources.com">mcarmona@carmonaresources.com</a> and Conner Moehring / <a href="mailto:Cmoehring@carmonaresources.com">Cmoehring@carmonaresources.com</a>	
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9/19/24		9/19 11:40

Chain of Custody

Work Order No: 458707


Page 2 of 5

Project Manager: Devin Dominguez		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 W Wall St Ste 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-701-5475		Email: mcarmona@carmonaresources.com			

Project Name: Spill #2		Turn Around		Pres. Code	
Project Number: 2511		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			
Project Location: Eddy County, New Mexico		Due Date:			
Sampler's Name: DD & PB		Standard			
PO #:					

ANALYSIS REQUEST										Preservative Codes
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BG-7 (0-1')	9/13/2024		X		G	1		X	X	
BG-7 (2')	9/13/2024		X		G	1		X	X	
BG-8 (0-1')	9/13/2024		X		G	1		X	X	
BG-8 (2')	9/13/2024		X		G	1		X	X	
BG-9 (0-1')	9/13/2024		X		G	1		X	X	
BG-9 (2')	9/13/2024		X		G	1		X	X	
BG-10 (0-1')	9/13/2024		X		G	1		X	X	
BG-10 (2')	9/13/2024		X		G	1		X	X	
BG-11 (0-1')	9/13/2024		X		G	1		X	X	

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		9/19/24				9/19/24	



## Chain of Custody

Work Order No: 48107

Page 3 of 5

Project Manager: Devin Dominguez		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 W Wall St Ste 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-701-5475		Email: mcarmona@carmonaresources.com			

Project Name: Spill #2		Turn Around		Pres. Code	
Project Number: 2511		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			
Project Location: Eddy County, New Mexico		Due Date:		Standard	
Sampler's Name: DD & PB					
PO #:					

SAMPLE RECEIPT		Temp Blank:		Yes No	
Received Intact:		Yes No		Thermometer ID:	
Cooler Custody Seals:		Yes No N/A		Correction Factor:	
Sample Custody Seals:		Yes No N/A		Temperature Reading:	
Total Containers:				Corrected Temperature:	



  

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	ANALYSIS REQUEST	Preservative Codes	Sample Comments
BG-11 (2')	9/13/2024		X		G	1		X	X	X		None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
BG-12 (0-1')	9/13/2024		X		G	1		X	X	X			
BG-12 (2')	9/13/2024		X		G	1		X	X	X			
BG-13 (0-1')	9/13/2024		X		G	1		X	X	X			
BG-13 (2')	9/13/2024		X		G	1		X	X	X			
BG-14 (0-1')	9/13/2024		X		G	1		X	X	X			
BG-14 (2')	9/13/2024		X		G	1		X	X	X			
BG-15 (0-1')	9/13/2024		X		G	1		X	X	X			
BG-15 (2')	9/13/2024		X		G	1		X	X	X			
BG-16 (0-1')	9/13/2024		X		G	1		X	X	X			

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		9/19/24				9/19/24	

## Chain of Custody

Work Order No: 48707

Page 4 of 5

Project Manager: Devin Dominguez		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 W Wall St Ste 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-701-5475		Email: mcarmona@carmonaresources.com			

Project Name: Spill #2		Turn Around		Pres. Code	
Project Number: 2511		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			
Project Location: Eddy County, New Mexico		Due Date:			
Sampler's Name: DD & PB					
PO #:					

<b>SAMPLE RECEIPT</b> Received Intact: Yes No Cooler Custody Seals: Yes No N/A Sample Custody Seals: Yes No N/A Total Containers:		Temp Blank: Yes No Thermometer ID: Correction Factor: Temperature Reading: Corrected Temperature:		Wet Ice: Yes No Wet Ice:	
-----------------------------------------------------------------------------------------------------------------------------------------------	--	---------------------------------------------------------------------------------------------------------------	--	-----------------------------	--

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	ANALYSIS REQUEST	Preservative Codes	Sample Comments
BG-16 (2')	9/13/2024		X		G	1		X	X	X		None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
BG-17 (0-1')	9/13/2024		X		G	1		X	X	X			
BG-17 (2')	9/13/2024		X		G	1		X	X	X			
BG-18 (0-1')	9/13/2024		X		G	1		X	X	X			
BG-18 (2')	9/13/2024		X		G	1		X	X	X			
BG-19 (0-1')	9/13/2024		X		G	1		X	X	X			
BG-19 (2')	9/13/2024		X		G	1		X	X	X			
BG-20 (0-1')	9/13/2024		X		G	1		X	X	X			
BG-20 (2')	9/13/2024		X		G	1		X	X	X			
BG-21 (0-1')	9/13/2024		X		G	1		X	X	X			

Relinquished by: (Signature)		Date/Time	Received by: (Signature)	Date/Time
		9/14/24		9/14/24

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



## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48707-1

SDG Number: Eddy County. New Mexico

Login Number: 48707

List Number: 1

List Source: Eurofins Midland

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	



Environment Testing

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

# 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  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: Carmona Resources  
Project/Site: Spill #2

Laboratory Job ID: 880-48778-1  
SDG: Eddy County, New Mexico

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
Surrogate Summary . . . . .	7
QC Sample Results . . . . .	8
QC Association Summary . . . . .	12
Lab Chronicle . . . . .	13
Certification Summary . . . . .	14
Method Summary . . . . .	15
Sample Summary . . . . .	16
Chain of Custody . . . . .	17
Receipt Checklists . . . . .	19

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

Definitions/Glossary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48778-1  
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
U	Indicates the analyte was analyzed for but not detected.

Glossary

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



## Case Narrative

Client: Carmona Resources  
Project: Spill #2

Job ID: 880-48778-1

**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

Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48778-1  
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

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 09:26	1
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 09:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 09:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 09:26	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 09:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/22/24 09:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130					09/22/24 09:26	1
1,4-Difluorobenzene (Surr)	104		70 - 130					09/22/24 09:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/L			09/22/24 09:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<5.23	U	5.23		mg/L			09/24/24 03:47	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	<5.23	U	5.23		mg/L		09/23/24 08:22	09/24/24 03:47	1
Diesel Range Organics (Over C10-C28)	<5.23	U	5.23		mg/L		09/23/24 08:22	09/24/24 03:47	1
Oil Range Organics (Over C28-C36)	<5.23	U	5.23		mg/L		09/23/24 08:22	09/24/24 03:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 135				09/23/24 08:22	09/24/24 03:47	1
o-Terphenyl	112		70 - 135				09/23/24 08:22	09/24/24 03:47	1

Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88800		1000		mg/L			09/21/24 02:49	2000

Surrogate Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48778-1  
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (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
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-135)	OTPH1 (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			
OTPH = o-Terphenyl			

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
LCSD 860-188846/3-A	Lab Control Sample Dup		
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48778-1  
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91106/5-A							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 91395							Prep Batch: 91106		
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB 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									
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130					09/22/24 03:43	1
1,4-Difluorobenzene (Surr)	96		70 - 130					09/22/24 03:43	1

Lab Sample ID: LCS 880-91395/34							Client Sample ID: Lab Control Sample		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 91395									
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: LCSD 880-91395/35							Client Sample ID: Lab Control Sample Dup			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 91395										
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.09007		mg/L		90	70 - 130	1	20

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48778-1  
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

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec		RPD
	Added	Result	Qualifier	Limit				Limits	RPD	
Toluene	0.100	0.08554			mg/L		86	70 - 130	10	20
Ethylbenzene	0.100	0.09203			mg/L		92	70 - 130	5	20
m-Xylene & p-Xylene	0.200	0.1643			mg/L		82	70 - 130	12	20
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

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Benzene	<0.00200	U	0.100	0.09012		mg/L		90	70 - 130	
Toluene	<0.00200	U	0.100	0.08278		mg/L		83	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.08268		mg/L		83	70 - 130	
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1721		mg/L		86	70 - 130	
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

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
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									
Surrogate	%Recovery	Qualifier	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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1

Eurofins Midland



## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48778-1  
SDG: Eddy County, New Mexico

## 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	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1
Oil Range Organics (Over C28-C36)	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1
Surrogate	MB %Recovery	MB 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

Lab Sample ID: LCS 860-188846/2-A

Matrix: Water

Analysis Batch: 189324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 188846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	100	105.0		mg/L		105	70 - 135
Diesel Range Organics (Over C10-C28)	100	102.3		mg/L		102	70 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	100		70 - 135				
o-Terphenyl	91		70 - 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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	100	107.2		mg/L					
Diesel Range Organics (Over C10-C28)	100	106.1		mg/L					
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane									
o-Terphenyl									

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91065/3

Matrix: Water

Analysis Batch: 91065

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500		mg/L			09/20/24 23:48	1

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QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48778-1  
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-91065/4				Client Sample ID: Lab Control Sample							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			25.0	24.24		mg/L		97	90 - 110		

Lab Sample ID: LCSD 880-91065/5				Client Sample ID: Lab Control Sample Dup							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			25.0	24.29		mg/L		97	90 - 110	0	20

Lab Sample ID: 880-48492-A-2 MS				Client Sample ID: Matrix Spike							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	634		1250	1884		mg/L		100	90 - 110		

Lab Sample ID: 880-48492-A-2 MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	634		1250	1883		mg/L		100	90 - 110	0	20

## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48778-1  
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
880-48778-1	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 Aq 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 Batch
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	

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Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48778-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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	CH	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  
Project/Site: Spill #2

Job ID: 880-48778-1  
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Chloride
Total BTEX		Water	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	Expiration Date
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

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 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: 880-48778-1  
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

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- 13
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## Chain of Custody



### 19778 Chain of Custody

Page 1 of 1

**Work Order Comments**

Program: ☐ PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other: ☐

Project Manager:	Devin Dominguez	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-701-5475	Email:	<a href="mailto:mcarmona@carmonaresources.com">mcarmona@carmonaresources.com</a>

[illegible]

Comments: Email to Mike Carmona / [Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)


Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9/20/24		9/10/24

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Eurofins Midland

1211 W Florida Ave  
Midland, TX 79701  
Phone: 432-704-5440

## Chain of Custody Record



### Environment Testing

[illegible]

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48778-1

SDG Number: Eddy County, New Mexico

Login Number: 48778

List Number: 1

List Source: Eurofins Midland

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	



## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48778-1  
SDG Number: Eddy County, New Mexico

Login Number: 48778

List Number: 2

Creator: Baker, Jeremiah

List Source: Eurofins Houston

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 <6mm (1/4").	True	



Environment Testing

- 1
- 2
- 3
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# 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  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: Carmona Resources  
Project/Site: Spill #2

Laboratory Job ID: 880-48773-1  
SDG: Eddy County, New Mexico

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
Surrogate Summary . . . . .	7
QC Sample Results . . . . .	8
QC Association Summary . . . . .	12
Lab Chronicle . . . . .	13
Certification Summary . . . . .	14
Method Summary . . . . .	15
Sample Summary . . . . .	16
Chain of Custody . . . . .	17
Receipt Checklists . . . . .	19

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48773-1  
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
U	Indicates the analyte was analyzed for but not detected.

Glossary

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



## Case Narrative

Client: Carmona Resources  
Project: 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.

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48773-1  
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

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

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 - Total BTEX Calculation

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 - Diesel Range Organics (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 - Diesel Range Organics (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 Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63600		500		mg/L			09/21/24 02:35	1000

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Surrogate Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48773-1  
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (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-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-135)	OTPH1 (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			
OTPH = o-Terphenyl			

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
LCSD 860-188846/3-A	Lab Control Sample Dup		
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48773-1  
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91106/5-A							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 91395							Prep Batch: 91106		
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB 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									
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130					09/22/24 03:43	1
1,4-Difluorobenzene (Surr)	96		70 - 130					09/22/24 03:43	1

Lab Sample ID: LCS 880-91395/34							Client Sample ID: Lab Control Sample		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 91395									
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: LCSD 880-91395/35							Client Sample ID: Lab Control Sample Dup			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 91395										
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.09007		mg/L		90	70 - 130	1	20

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48773-1  
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

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec		RPD
	Added	Result	Qualifier	Limit				Limits	RPD	
Toluene	0.100	0.08554			mg/L		86	70 - 130	10	20
Ethylbenzene	0.100	0.09203			mg/L		92	70 - 130	5	20
m-Xylene & p-Xylene	0.200	0.1643			mg/L		82	70 - 130	12	20
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

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Benzene	<0.00200	U	0.100	0.09012		mg/L		90	70 - 130	
Toluene	<0.00200	U	0.100	0.08278		mg/L		83	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.08268		mg/L		83	70 - 130	
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1721		mg/L		86	70 - 130	
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

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
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									
Surrogate	%Recovery	Qualifier	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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48773-1  
SDG: Eddy County, New Mexico

## 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	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1
Oil Range Organics (Over C28-C36)	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1
Surrogate	MB %Recovery	MB 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

Lab Sample ID: LCS 860-188846/2-A

Matrix: Water

Analysis Batch: 189324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 188846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	100	105.0		mg/L		105	70 - 135
Diesel Range Organics (Over C10-C28)	100	102.3		mg/L		102	70 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	100		70 - 135				
o-Terphenyl	91		70 - 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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	100	107.2		mg/L					
Diesel Range Organics (Over C10-C28)	100	106.1		mg/L					
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane									
o-Terphenyl									

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91065/3

Matrix: Water

Analysis Batch: 91065

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500		mg/L			09/20/24 23:48	1

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QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48773-1  
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-91065/4				Client Sample ID: Lab Control Sample							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			25.0	24.24		mg/L		97	90 - 110		

Lab Sample ID: LCSD 880-91065/5				Client Sample ID: Lab Control Sample Dup							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			25.0	24.29		mg/L		97	90 - 110	0	20

Lab Sample ID: 880-48492-A-2 MS				Client Sample ID: Matrix Spike							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	634		1250	1884		mg/L		100	90 - 110		

Lab Sample ID: 880-48492-A-2 MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	634		1250	1883		mg/L		100	90 - 110	0	20

## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48773-1  
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 Aq 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 Batch
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	

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Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48773-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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	CH	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  
Project/Site: Spill #2

Job ID: 880-48773-1  
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Chloride
Total BTEX		Water	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	Expiration Date
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

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
8015NM 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

- 1
- 2
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- 13
- 14



880-48773 Chain of Custody

Page 1 of 1

[illegible]

Phone: 432-704-5440

### Environment Testing

Ver. 05/06/2024

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48773-1

SDG Number: Eddy County, New Mexico

Login Number: 48773

List Number: 1

List Source: Eurofins Midland

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	



Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48773-1  
SDG Number: Eddy County, New Mexico

Login Number: 48773  
List Number: 2  
Creator: Baker, Jeremiah

List Source: Eurofins Houston  
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 <6mm (1/4").	True	



Environment Testing

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# 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  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: Carmona Resources  
Project/Site: Spill #2

Laboratory Job ID: 880-48777-1  
SDG: Eddy County, New Mexico

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
Surrogate Summary . . . . .	7
QC Sample Results . . . . .	8
QC Association Summary . . . . .	12
Lab Chronicle . . . . .	13
Certification Summary . . . . .	14
Method Summary . . . . .	15
Sample Summary . . . . .	16
Chain of Custody . . . . .	17
Receipt Checklists . . . . .	19

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48777-1  
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
U	Indicates the analyte was analyzed for but not detected.

Glossary

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



## Case Narrative

Client: Carmona Resources  
Project: Spill #2

Job ID: 880-48777-1

**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.

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48777-1  
SDG: Eddy County, New Mexico

Client Sample ID: Auger Hole Water

Lab Sample ID: 880-48777-1

Date Collected: 09/20/24 00:00

Matrix: Water

Date Received: 09/20/24 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 09:06	1
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 09:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 09:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 09:06	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 09:06	1
Xylenes, 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 - Total BTEX Calculation

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 - Diesel Range Organics (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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<5.07	U	5.07		mg/L		09/23/24 08:22	09/26/24 00:18	1
Diesel Range Organics (Over C10-C28)	<5.07	U	5.07		mg/L		09/23/24 08:22	09/26/24 00:18	1
Oil Range Organics (Over C28-C36)	<5.07	U	5.07		mg/L		09/23/24 08:22	09/26/24 00:18	1

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 Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5940		50.0		mg/L			09/21/24 02:42	100

Eurofins Midland

Surrogate Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48777-1  
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (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			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-135)	OTPH1 (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			
OTPH = o-Terphenyl			

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
LCSD 860-188846/3-A	Lab Control Sample Dup		
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48777-1  
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91106/5-A							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 91395							Prep Batch: 91106		
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB 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									
Analyte	MB Result	MB 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
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130					09/22/24 03:43	1
1,4-Difluorobenzene (Surr)	96		70 - 130					09/22/24 03:43	1

Lab Sample ID: LCS 880-91395/34							Client Sample ID: Lab Control Sample		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 91395									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: LCSD 880-91395/35							Client Sample ID: Lab Control Sample Dup				
Matrix: Water							Prep Type: Total/NA				
Analysis Batch: 91395											

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48777-1  
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

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec		RPD
	Added	Result	Qualifier	Limit				Limits	RPD	
Toluene	0.100	0.08554			mg/L		86	70 - 130	10	20
Ethylbenzene	0.100	0.09203			mg/L		92	70 - 130	5	20
m-Xylene & p-Xylene	0.200	0.1643			mg/L		82	70 - 130	12	20
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

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Benzene	<0.00200	U	0.100	0.09012		mg/L		90	70 - 130	
Toluene	<0.00200	U	0.100	0.08278		mg/L		83	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.08268		mg/L		83	70 - 130	
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1721		mg/L		86	70 - 130	
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

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
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									
Surrogate	%Recovery	Qualifier	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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1

Eurofins Midland



## QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48777-1  
SDG: Eddy County, New Mexico

## 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	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1
Oil Range Organics (Over C28-C36)	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1
Surrogate	MB %Recovery	MB 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

Lab Sample ID: LCS 860-188846/2-A  
Matrix: Water  
Analysis Batch: 189324

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 188846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	100	105.0		mg/L		105	70 - 135
Diesel Range Organics (Over C10-C28)	100	102.3		mg/L		102	70 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	100		70 - 135				
o-Terphenyl	91		70 - 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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	100	107.2		mg/L					
Diesel Range Organics (Over C10-C28)	100	106.1		mg/L					
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane									
o-Terphenyl									

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91065/3  
Matrix: Water  
Analysis Batch: 91065

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500		mg/L			09/20/24 23:48	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48777-1  
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-91065/4				Client Sample ID: Lab Control Sample							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			25.0	24.24		mg/L		97	90 - 110		

Lab Sample ID: LCSD 880-91065/5				Client Sample ID: Lab Control Sample Dup							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			25.0	24.29		mg/L		97	90 - 110	0	20

Lab Sample ID: 880-48492-A-2 MS				Client Sample ID: Matrix Spike							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	634		1250	1884		mg/L		100	90 - 110		

Lab Sample ID: 880-48492-A-2 MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	634		1250	1883		mg/L		100	90 - 110	0	20

## QC Association Summary

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48777-1  
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
880-48777-1	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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48777-1	Auger Hole 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 Aq 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: 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 Batch
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	

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Spill #2

Job ID: 880-48777-1  
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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	CH	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  
Project/Site: Spill #2

Job ID: 880-48777-1  
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Chloride
Total BTEX		Water	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	Expiration Date
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

Job ID: 880-48777-1  
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 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: 880-48777-1  
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

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



**Work Order Comments**

Program: ☐ PST ☐ PRP ☐ Crownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other: ☐

Project Manager:	Devin Dominguez	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Site 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-701-5475	Email:	<a href="mailto:in@carmona@carmonaresources.com">in@carmona@carmonaresources.com</a>

[illegible]

Comments: Email to Mike Carmona / [Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

[illegible]

Eurofins Midland

1211 W Florida Ave  
Midland, TX 79701  
Phone: 432-704-5440

## Chain of Custody Record



eurofins

### Environmental Testing

[illegible]

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48777-1

SDG Number: Eddy County, New Mexico

Login Number: 48777

List Number: 1

List Source: Eurofins Midland

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	



Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48777-1  
SDG Number: Eddy County, New Mexico

Login Number: 48777  
List Number: 2  
Creator: Baker, Jeremiah

List Source: Eurofins Houston  
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 <6mm (1/4").	True	

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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 393303

QUESTIONS

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

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2424137423
Incident Name	NAPP2424137423 BLOOMIN ONION FRAC LINE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan 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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QUESTIONS, Page 2

Action 393303

**QUESTIONS (continued)**

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

**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.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 08/28/2024
----------------------------------------------------	---------------------------------------------------------------------------------------------------

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 393303

**QUESTIONS (continued)**

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

**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)	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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	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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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 393303

**QUESTIONS (continued)**

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

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>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.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
(Select all answers below that apply.)	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>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>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 10/18/2024
<i>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.</i>	



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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 5  
  
Action 393303

QUESTIONS (continued)

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

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

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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QUESTIONS, Page 6  
  
Action 393303

QUESTIONS (continued)

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

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	No

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Santa Fe, NM 87505

CONDITIONS

Action 393303

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	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