

SITE INFORMATION

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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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).



- 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

FIGURES

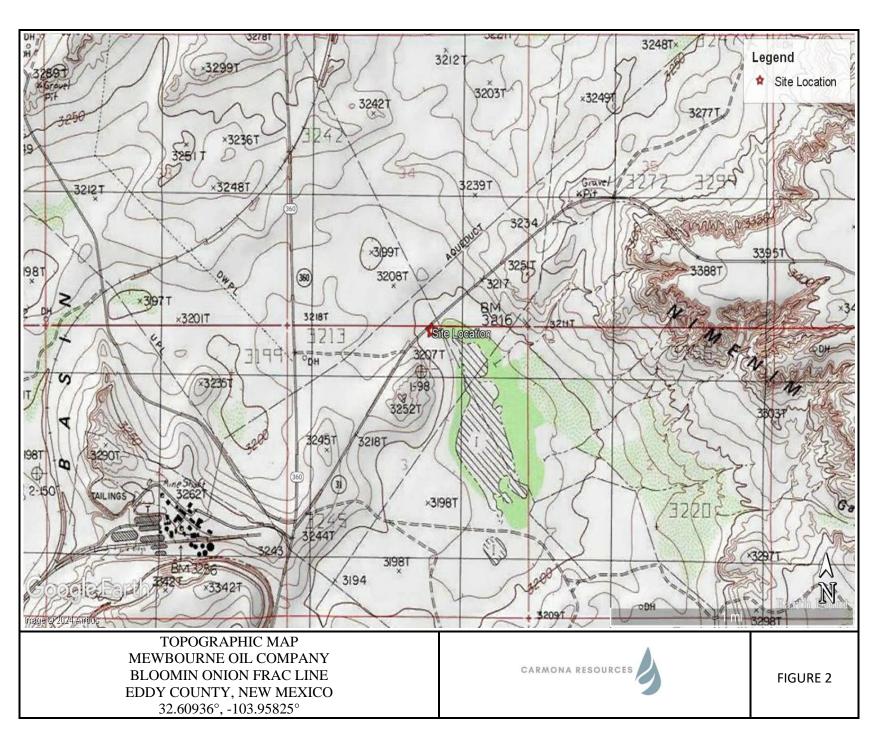
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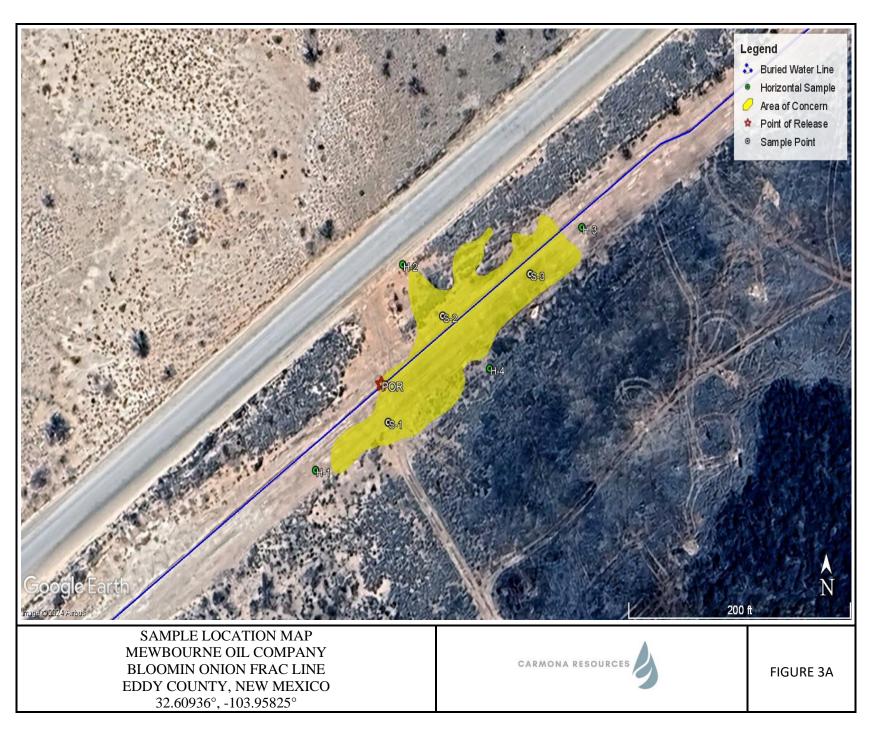


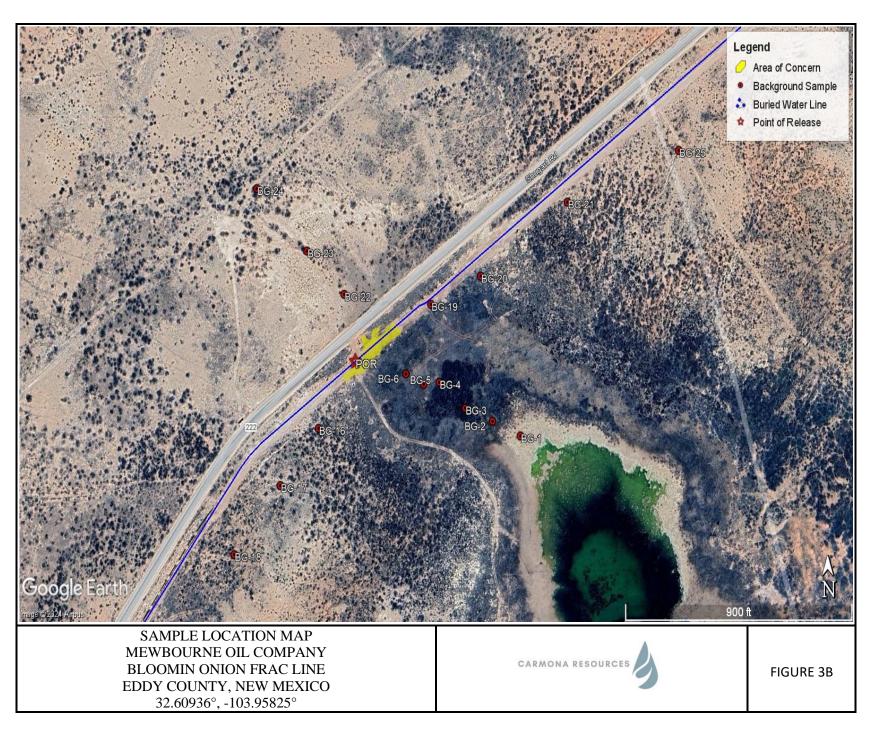
OVERVIEW MAP MEWBOURNE OIL COMPANY BLOOMIN ONION FRAC LINE EDDY COUNTY, NEW MEXICO 32.60936°, -103.95825°

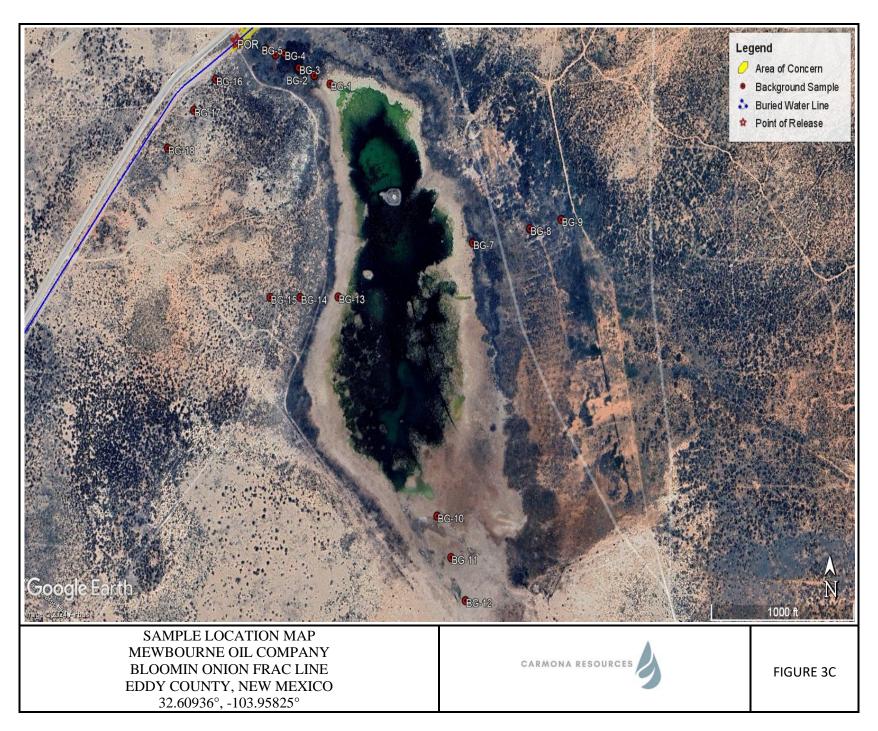


FIGURE 1

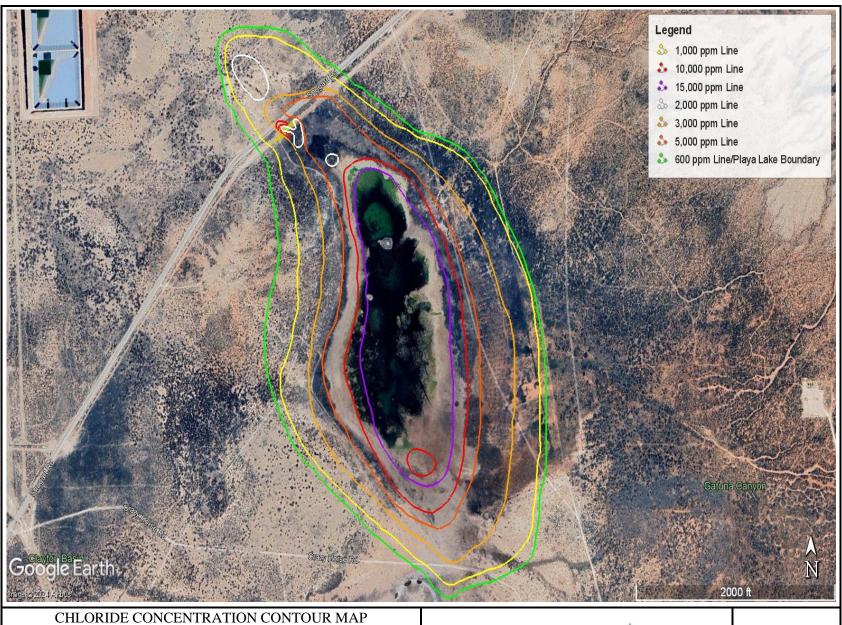








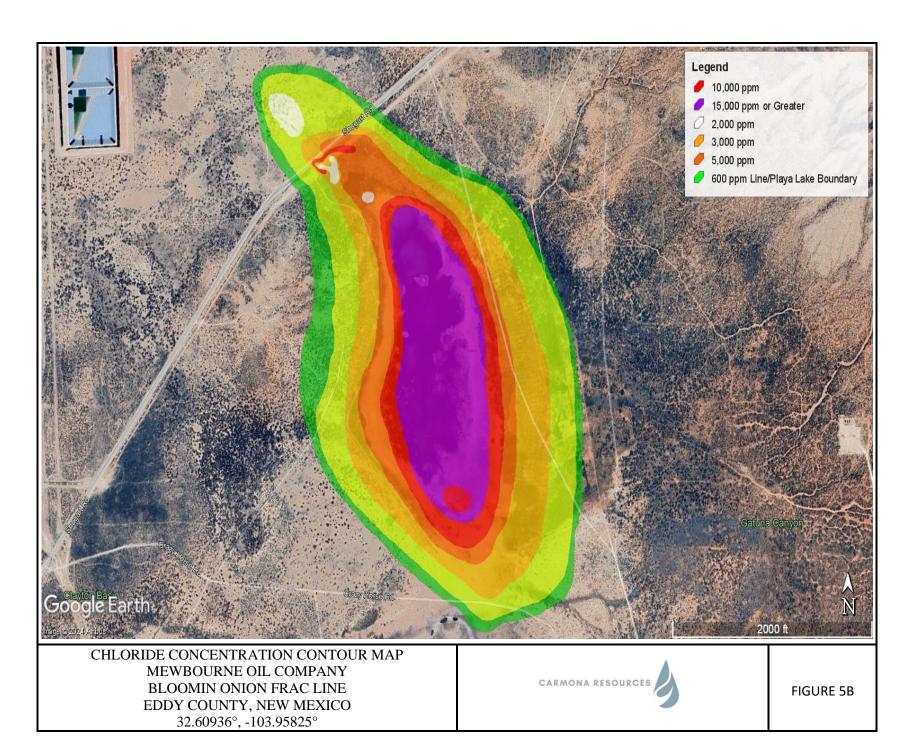


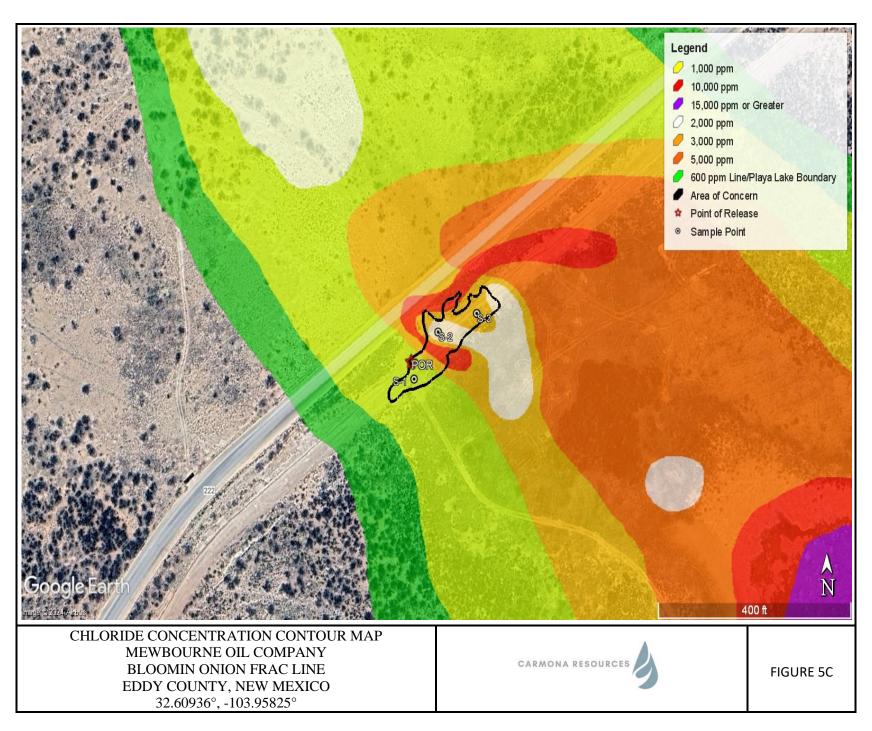


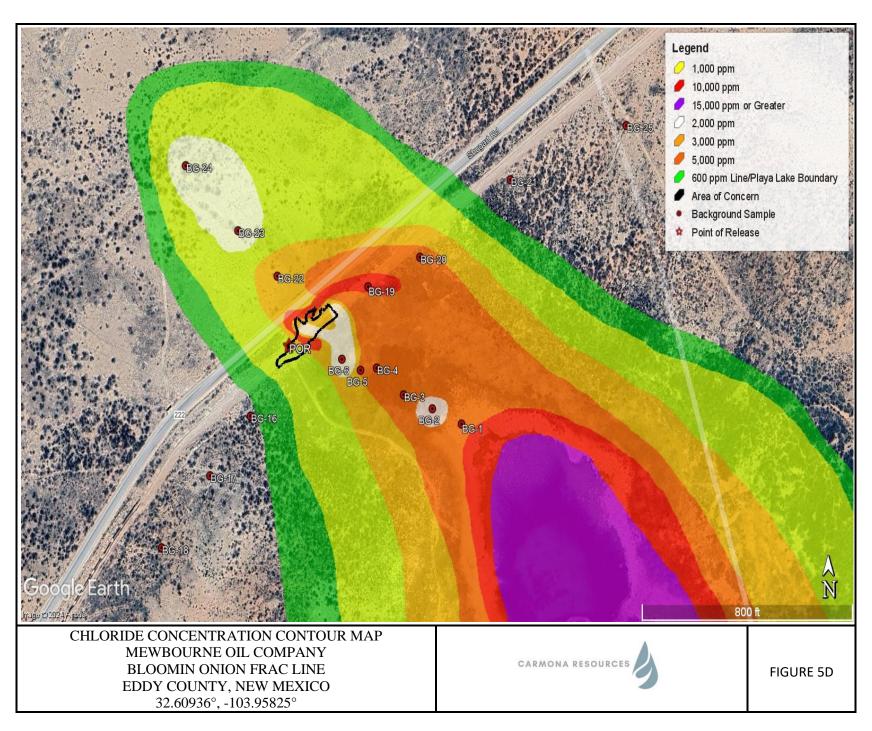
CHLORIDE CONCENTRATION CONTOUR MAP MEWBOURNE OIL COMPANY BLOOMIN ONION FRAC LINE EDDY COUNTY, NEW MEXICO 32.60936°, -103.95825°

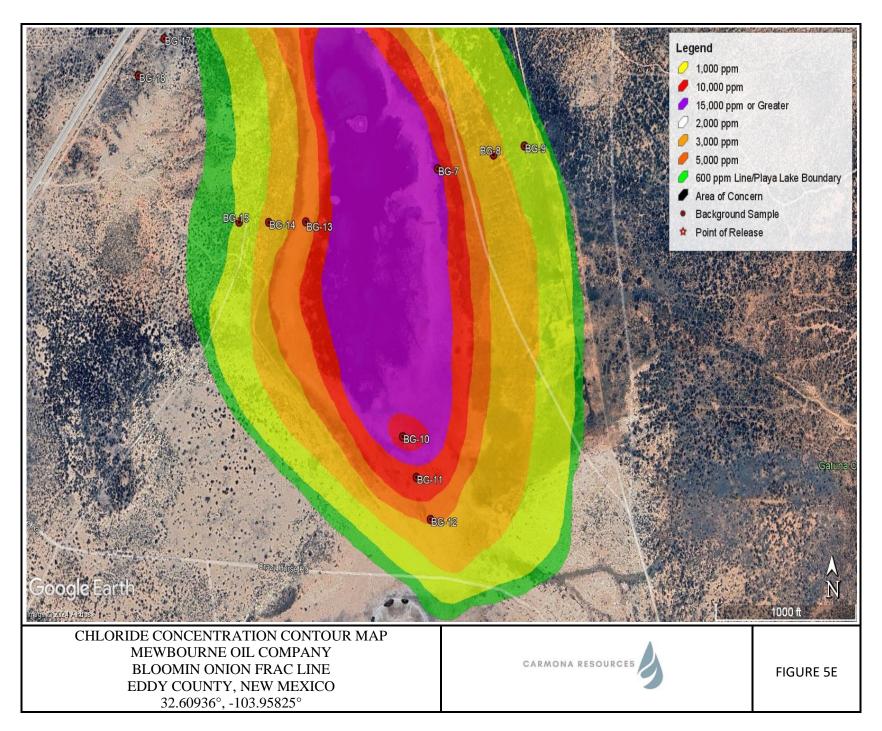
CARMONA RESOURCES

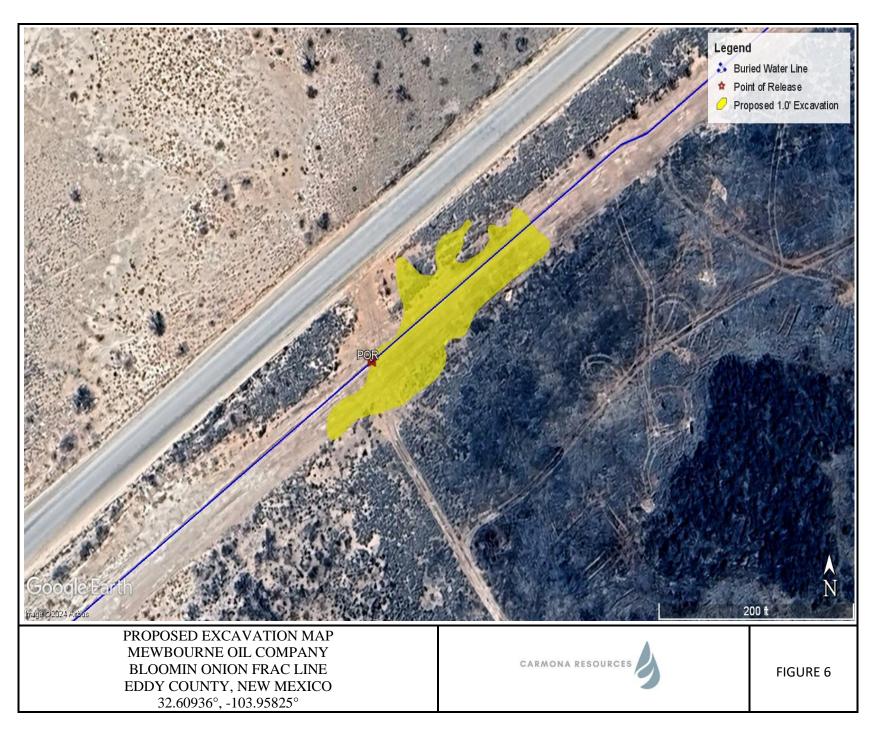
FIGURE 5A











APPENDIX A



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

Sample ID	Date	Depth (ft)	GRO	TPH DRO	(mg/kg) MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX	Chloride (mg/kg)
	0/40/0004	0.41									(mg/kg)	
	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	886
		2'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,380
S-1	"	3'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	947
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	833
	"	5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	774
	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,120
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,540
S-2	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,630
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,720
	"	5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,480
	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	758
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	653
S-3	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	710
	"	4'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	714
	"	5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	784
H-1	9/13/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	0.0184	0.0184	1,250
H-2	9/13/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	12,000
H-3	9/13/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,150
H-4	9/13/2024	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	14,100
Regulat	ory Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
(-) Nc	t Analyzed											

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

(S) Sample Point

(H) Horizontal
Proposed Excavation

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

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

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

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

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

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

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

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

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

ft - feet

APPENDIX B

CARMONA RESOURCES

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.



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.



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.



NW

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.



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.



Mewbourne Oil Company

SE

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

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

QUESTIONS

Action 378717

QUESTIONS

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

QUESTIONS

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 Crude Oil Released (bbls) Details	or the volumes provided should be attached to the follow-up C-141 submission. 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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District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

QUESTIONS, Page 2

Action 378717

QUESTIONS	(continued)

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

QUESTIONS

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

ACKNOWLEDGMENTS

✓	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
V	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
V	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
V	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
V	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
V	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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

CONDITIONS

Action 378717

CONDITIONS

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

CONDITIONS

Created By		Condition 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 Me	ewbourne Oil Cor	npany		OGRID	14744	
Contact Name Connor Walker					Contact Telephone 806-202-5281		
Contact email cwalker@mewbourne.com					Incident #	(assigned by OCD) nAPP2424137423	
Contact mail	ling address	4801 Business	Park Blvd, Hobbs	s, NM 88	3240		
			Location	n of R	elease So	ource	
Latitude 32.6	60936		(NAD 83 in a		Longitude - grees to 5 decim	-103.95825	
Site Name Bl	oomin Onio	n Frac Line			Site Type F	Frac Line (Surface)	
Date Release	Discovered	8/15/2024			API# (if app	olicable)	
Unit Letter	Section	Township	Range		Coun	, tr.	
B	3	20S	30E	Eddy		nty	
	<u> </u>						
surface Owne.		Federal T	Nature an	nd Vol	ume of F	Release justification for the volumes provided below)	
Crude Oil		Volume Releas				Volume Recovered (bbls)	
Produced	Water	Volume Releas	ed (bbls) 49			Volume Recovered (bbls) 20	
		Is the concentra	ntion of dissolved >10,000 mg/l?	l chloride	in the	⊠ Yes □ No	
Condensa	ite	Volume Releas	ed (bbls)			Volume Recovered (bbls)	
Natural Gas Volume Released (Mcf)					Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide unit			ide units)	nits) Volume/Weight Recovered (provide units)			
Cause of Rel A lay flat wa		line came apart at	a connection.			1	

Received by OCD: 10/18/2024 12:29:12/PM State of New Mexico
Page 2 Oil Conservation Division

Page 38cof 282	\boldsymbol{P}	agė	38	eoJ	2	82	
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Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release? The release was greater than 25 bbls.							
19.15.29.7(A) NMAC?								
⊠ Yes □ No								
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was given by Jeff Broom to BLM < <u>BLM_NM_CFO_Spill@blm.gov</u> >; Enviro, OCD, EMNRD <ocd.enviro@emnrd.nm.gov>; mike.bratcher@emnrd.nm.gov; camorgan@blm.gov @ 7:27 PM via email on 8/15/2024.</ocd.enviro@emnrd.nm.gov>								
	Initial Response							
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury							
The source of the rele	ease has been stopped.							
The impacted area ha	s been secured to protect human health and the environment.							
Released materials ha	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.							
All free liquids and re	ecoverable materials have been removed and managed appropriately.							
If all the actions described	d 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.								
regulations all operators are public health or the environment failed to adequately investigations.	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws							
Printed Name: Conno	or Walker Title: <u>Sr. Engineer</u>							
Signature:	Date: _8/16/2024							
email: <u>cwalker</u>	@ mewbourne.com Telephone: 806-202-5281							
OCD Only								
Received by:	Date:							

SPILL VOLUME CALCULATIONS

NPUT 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			liquia	% oil
			<u>.</u>					depth	
Known Area #1	o acres or	13,939 sq. ft.	3 in	0%	Known Area #1	0 acres or	0 sq. ft.	0 in	0%
Known Area #2	o acres or	0 sq. ft.	0 in	0%	Known Area #2	o acres or	0 sq. ft.	0 in	0%
Known Area #3	o 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.	<mark>0</mark> 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%
			saturated					iiquia	
di	iameter		soil depth	% oil	di	ameter		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*: (see below)	0.08 gal liquid/gal soil		
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 o	f soil.	* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.	
* sandy clay loam soil = .14 gallon liquid per gallon volume of s	oil.	* sandy loam = .5 gallon liquid per gallon volume of soil.	
* clay loam = .16 gallon liquid per gallon volume of soil.			

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

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

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

QUESTIONS

Action 378723

QUESTIONS

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

QUESTIONS

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

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

Incident Details					
Please answer all the questions in this group.					
Incident Type	Produced Water Release				
Did this release result in a fire or is the result of a fire	No				
Did this release result in any injuries	No				
Has this release reached or does it have a reasonable probability of reaching a watercourse	No				
Has this release endangered or does it have a reasonable probability of endangering public health	No				
Has this release substantially damaged or will it substantially damage property or the environment	No				
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No				

Nature and Volume of Release									
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.									
Crude Oil Released (bbls) Details	Not answered.								
Produced Water Released (bbls) Details	Cause: Human Error Pipeline (Any) Produced Water Released: 49 BBL Recovered: 20 BBL Lost: 29 BBL.								
Is the concentration of chloride in the produced water >10,000 mg/l	Yes								
Condensate Released (bbls) Details	Not answered.								
Natural Gas Vented (Mcf) Details	Not answered.								
Natural Gas Flared (Mcf) Details	Not answered.								
Other Released Details	Not answered.								
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.								

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

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

QUESTIONS, Page 2

Action 378723

Phone:(505) 476-3470 Fax:(505) 476-3462	
	FIONS (continued)
Operator: MEWBOURNE OIL CO	OGRID: 14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	378723
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i	i.e. gas only) are to be submitted on the C-129 form.
Initial Page 199	
Initial Response The responsible party must undertake the following actions immediately unless they could create a	cofety 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.
	diation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o eted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required eases which may endanger public health or the environment. The acceptance of a C-141 report by a adequately investigate and remediate contamination that pose a threat to groundwater, surface ort does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer

Email: cwalker@mewbourne.com

Date: 08/28/2024

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 3

Action 378723

QUESTIONS	(continued)

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

QUESTIONS

Site Characterization									
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.									
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.								
What method was used to determine the depth to ground water	Not answered.								
Did this release impact groundwater or surface water	Not answered.								
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:								
A continuously flowing watercourse or any other significant watercourse	Not answered.								
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.								
An occupied permanent residence, school, hospital, institution, or church	Not answered.								
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.								
Any other fresh water well or spring	Not answered.								
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.								
A wetland	Not answered.								
A subsurface mine	Not answered.								
An (non-karst) unstable area	Not answered.								
Categorize the risk of this well / site being in a karst geology	Not answered.								
A 100-year floodplain	Not answered.								
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.								

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the	e 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 accisionificantly deviate from the remediation plan proposed, then it should consult with the division to design the consult with the division to design the consult with the division to determine the determined the de	ordance with the physical realities encountered during remediation. If the responsible party has any need to

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

District II

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

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

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

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

CONDITIONS

Action 378723

CONDITIONS

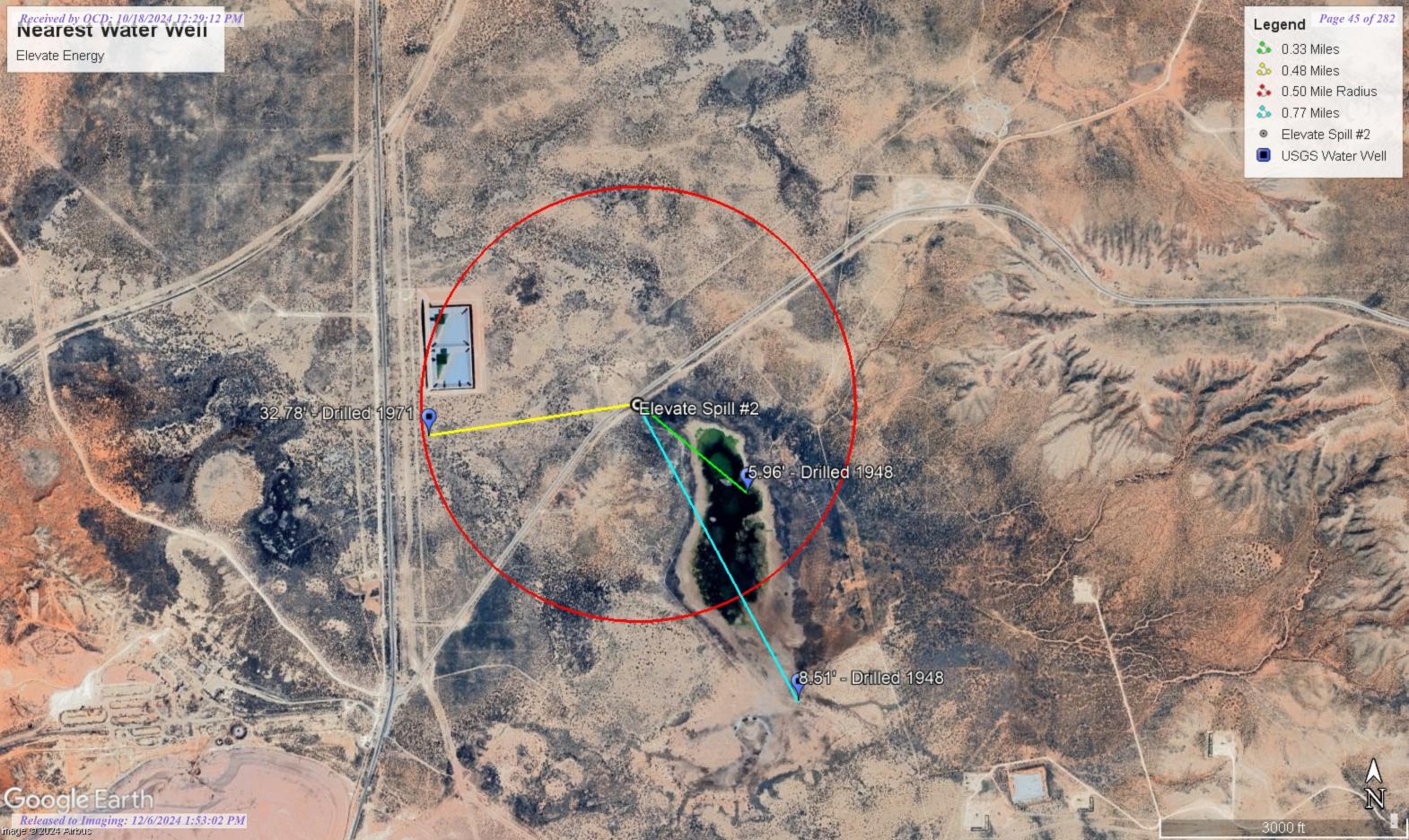
Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	378723
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

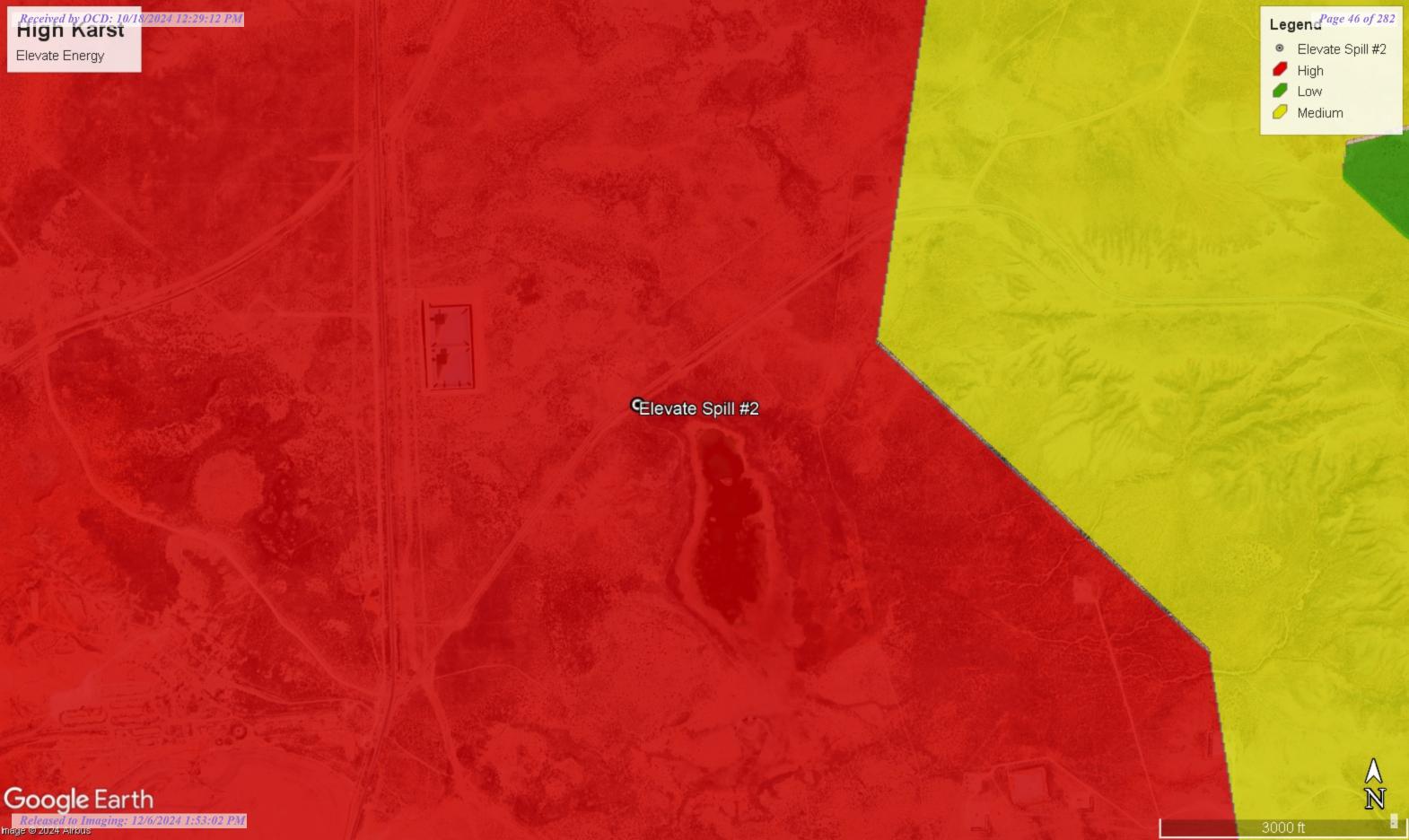
CONDITIONS

Created By		Condition Date
scott.rodge	rs None	8/28/2024

APPENDIX D

CARMONA RESOURCES







New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

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

Average Depth to Water: 63 feet

Minimum Depth: 40 feet

Maximum Depth: 82 feet

Record Count: 8

UTM Filters (in meters):

Easting: 597752.45 **Northing:** 3608464.88

Radius: 4000

* 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.



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Groundwater ✓ New Mexico ✓ GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs

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

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

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

Explanation

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

Questions or Comments

<u>Help</u>

Data Tips

Accessibility

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USA.gov

U.S. Department of the Interior | U.S. Geological Survey
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URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

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



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National Water Information System: Web Interface

USGS Water Resources

Groundwater ✓ New Mexico **∨** GO

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Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 323630103575901

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

Save file of selected sites to local disk for future upload

USGS 323630103575901 20S.30E.03.11141

Eddy County, New Mexico 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.

Out	put	fori	mats
-----	-----	------	------

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

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

Explanation

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

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

Explanation of terms

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

Title: Groundwater for New Mexico: Water Levels URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-08-28 10:40:31 EDT
0.37 0.25 nadww02

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USGS Water Resources

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Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 323558103570501

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

Save file of selected sites to local disk for future upload

USGS 323558103570501 20S.30E.03.424231

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

Land-surface elevation 3,188 feet above NAVD88

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

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

Output formats

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

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

Explanation

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

Questions or Comments

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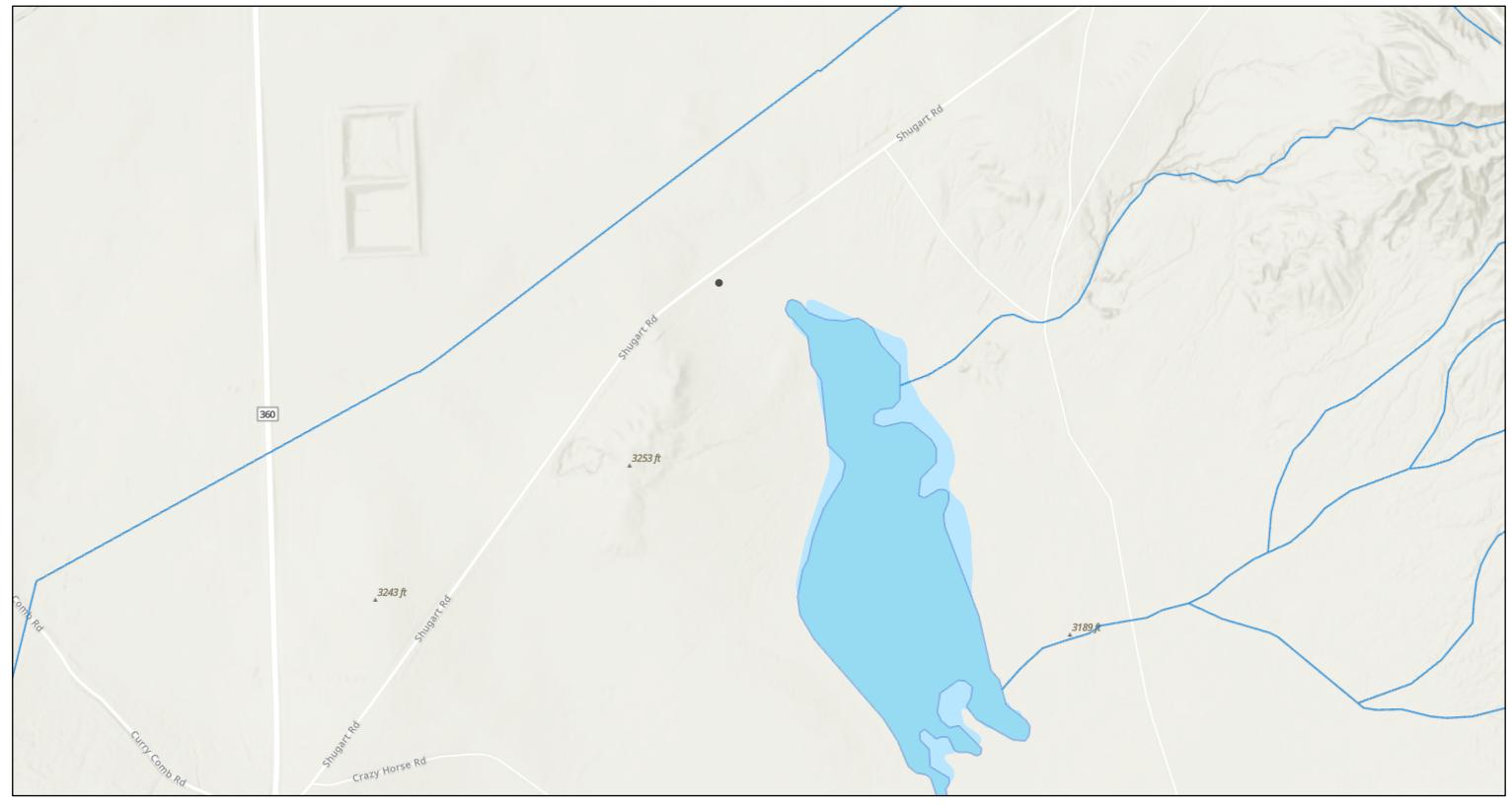
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USA.gov

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

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

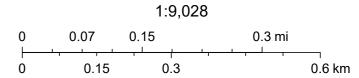
Elevate Spill #2



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

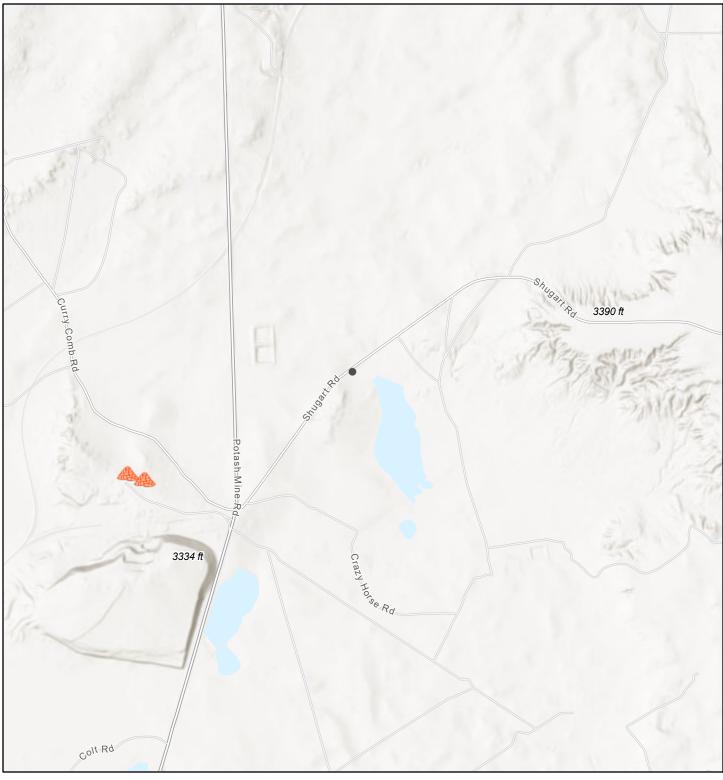
OSW Water Bodys

OSE Streams



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

Active Mines in New Mexico

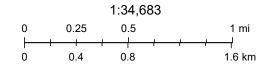


10/17/2024, 2:06:46 PM

Registered Mines



Potash



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

APPENDIX E

CARMONA RESOURCES

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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

JOB DESCRIPTION

Spill #2 Eddy County. New Mexico

JOB NUMBER

880-48706-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

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

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

13

14

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

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Definitions/Glossary

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

Qualifiers

_	$\overline{}$.,	$\overline{}$	•
G	U	v	U	А

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

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

HPLC/IC

O......

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)

MCL MDA

EDL

LOD

LOQ

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

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Limit of Quantitation (DoD/DOE)

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 **Practical Quantitation Limit** PQL **PRES**

Presumptive **Quality Control** QC

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

Eurofins Midland

Job Narrative 880-48706-1

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

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 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.

Case Narrative

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

Project: Spill #2

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

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Client Sample Results

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

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

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

Lab Sample ID: 880-48706-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				09/19/24 13:47	09/21/24 01:49	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/19/24 13:47	09/21/24 01:49	1

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

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 09/23/24 17:30 mg/Kg

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 17:30	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 17:30	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 17:30	1

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

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

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

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

Date Received: 09/19/24 11:40

Client Sample Results

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

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

117

09/23/24 17:46

09/21/24 17:31

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398 0.00398 09/21/24 03:12 mg/Kg Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) MDL Unit Result Qualifier RL D Prepared Analyzed Dil Fac Total TPH <50.1 U 50.1 09/23/24 17:46 mg/Kg Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Analyte Prepared Dil Fac Analyzed <50.1 U 50.1 09/21/24 17:31 09/23/24 17:46 Gasoline Range Organics mg/Kg (GRO)-C6-C10 50.1 Diesel Range Organics (Over <50.1 U mg/Kg 09/21/24 17:31 09/23/24 17:46 C10-C28) Oil Range Organics (Over C28-C36) <50.1 U 50.1 mg/Kg 09/21/24 17:31 09/23/24 17:46 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 09/21/24 17:31 1-Chlorooctane 131 S1+ 09/23/24 17:46

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

70 - 130

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

Released to Imaging: 12/6/2024 1:53:02 PM

o-Terphenyl

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
			70 100				00/10/01 10 17	00/04/04 00 00	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte		culation Qualifier	70 ₋ 130 RL	MDL	Unit	D	09/19/24 13:47 Prepared	09/21/24 03:32 Analyzed	
Method: TAL SOP Total BTEX	- Total BTEX Cald								·
	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>		Analyzed 09/21/24 03:32	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald Result <0.00398	Qualifier U	RL 0.00398	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00398 esel Range Organ	Qualifier U	RL 0.00398			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00398 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 09/21/24 03:32	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte	- Total BTEX Calc Result <0.00398 esel Range Organ Result <50.5	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 ————————————————————————————————————		mg/Kg		Prepared	Analyzed 09/21/24 03:32 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	- Total BTEX Calc Result <0.00398 esel Range Organ Result <50.5	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 ————————————————————————————————————	MDL	mg/Kg		Prepared	Analyzed 09/21/24 03:32 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E	- Total BTEX Calc Result <0.00398 esel Range Organ Result <50.5	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00398 GC) RL 50.5	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 03:32 Analyzed 09/23/24 18:02	Dil Fac

Job ID: 880-48706-1

Client: Carmona Resources SDG: Eddy County. New Mexico

Lab Sample ID: 880-48706-3

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

Project/Site: Spill #2

Matrix: Solid

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 Result Qualifier RL MDL Dil Fac Analyte Unit D Prepared Analyzed 25.2 09/20/24 19:34 947 Chloride mg/Kg

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

Date Received: 09/19/24 11:40

Matrix: Solid

Dil Fac

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Benzene <0.00200 U 0.00200 09/19/24 13:47 09/21/24 03:53 mg/Kg Toluene <0.00200 U 0.00200 09/19/24 13:47 09/21/24 03:53 mg/Kg Ethylbenzene <0.00200 U 0.00200 09/19/24 13:47 09/21/24 03:53 mg/Kg m-Xylene & p-Xylene 09/19/24 13:47 09/21/24 03:53 <0.00400 U 0.00400 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 09/19/24 13:47 09/21/24 03:53 Xylenes, Total <0.00400 U 0.00400 mg/Kg 09/19/24 13:47 09/21/24 03:53 %Recovery Limits Dil Fac Surrogate Qualifier Prepared Analyzed 70 - 130 4-Bromofluorobenzene (Surr) 106 09/19/24 13:47 09/21/24 03:53 1,4-Difluorobenzene (Surr) 99 70 - 130 09/19/24 13:47 09/21/24 03:53

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

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Dil Fac RL Unit D Prepared Analyzed Total TPH <50.0 Ū 50.0 09/23/24 18:18 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 09/21/24 17:31 09/23/24 18:18 mg/Kg (GRO)-C6-C10 50.0 09/21/24 17:31 09/23/24 18:18 Diesel Range Organics (Over <50.0 U mg/Kg Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 09/21/24 17:31 09/23/24 18:18 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 122 70 - 130 09/21/24 17:31 09/23/24 18:18 70 - 130 09/21/24 17:31

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Dil Fac RL Unit Prepared Analyzed Chloride 833 25.2 09/20/24 20:01 mg/Kg

112

Eurofins Midland

09/23/24 18:18

o-Terphenyl

Client Sample ID: S-1 (5')

Job ID: 880-48706-1

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

Lab Sample ID: 880-48706-5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:13	
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:13	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:13	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:47	09/21/24 04:13	
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:13	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:47	09/21/24 04:13	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	100		70 - 130				09/19/24 13:47	09/21/24 04:13	
1,4-Difluorobenzene (Surr)	101		70 - 130				09/19/24 13:47	09/21/24 04:13	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/21/24 04:13	
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Total TPH	<49.8	U	49.8		mg/Kg			09/23/24 18:34	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 18:34	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 18:34	
C10-C28) Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 18:34	
•	0/5	0 ""							57.5
Surrogate	%Recovery		Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane		S1+	70 - 130				09/21/24 17:31	09/23/24 18:34	
o-Terphenyl	127		70 - 130				09/21/24 17:31	09/23/24 18:34	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е						
Method: EPA 300.0 - Anions, Ion Analyte	• .	ohy - Solubl Qualifier	e RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
	• .	-		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/20/24 20:09	

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

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

Client Sample Results

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

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

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48706-6

09/23/24 18:50

09/21/24 17:31

Matrix: Solid

Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 04:33	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (C	SC)						

Analyte Result Qualifier RL MDL Unit Departed Analyzed Dil Fac

Total TPH Store Total TPH Store Technology Tec

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Dil Fac Analyte D Prepared Analyzed <50.0 U 50.0 09/21/24 17:31 09/23/24 18:50 Gasoline Range Organics mg/Kg (GRO)-C6-C10 50.0 Diesel Range Organics (Over <50.0 U mg/Kg 09/21/24 17:31 09/23/24 18:50 C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 09/21/24 17:31 09/23/24 18:50 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 09/21/24 17:31 1-Chlorooctane 134 S1+ 09/23/24 18:50

Method: EPA 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride212099.6mg/Kg09/20/24 20:1820

70 - 130

119

Client Sample ID: S-2 (2')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48706-7

Matrix: Solid

Date Received: 09/19/24 11:40

o-Terphenyl

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) Method: TAL SOP Total BTEX	101 - Total BTEX Cald	culation	70 - 130				09/19/24 13:47	09/21/24 04:54	1
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit	<u>D</u>	09/19/24 13:47 Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			•
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00403	Qualifier U	RL 0.00403	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00403 sel Range Organ	Qualifier U	RL 0.00403			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Dies	- Total BTEX Calc Result <0.00403 sel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00403		mg/Kg		Prepared	Analyzed 09/21/24 04:54	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die: Analyte Total TPH	- Total BTEX Calc Result <	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 ——————————————————————————————————		mg/Kg		Prepared	Analyzed 09/21/24 04:54 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Diese	- Total BTEX Calc Result <0.00403 sel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 ——————————————————————————————————	MDL	mg/Kg		Prepared	Analyzed 09/21/24 04:54 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die: Analyte	- Total BTEX Calc Result <0.00403 sel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00403 GC) RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 04:54 Analyzed 09/23/24 19:06	Dil Fac Dil Fac

Client: Carmona Resources

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

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

Matrix: Solid

Method: SW846 8015B N	M - Diesel Range Organics (DRO) (GC)	(Continued))
Analyte	Result Qualifier	RL	М

Analyte	Result	Qualifier	KL	MIDL	Unit	U	Prepared	Analyzeu	DII 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	

o-Terphenyl	123	70 - 130	09/21/24 17:31	09/23/24 19:06	1
Method: EPA 300.0 - Anions, Ion Chromat	ography - Soluble				

Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared 1540 24.8 09/20/24 20:27 Chloride mg/Kg

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

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

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:14	1
<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:14	1
<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:14	1
<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 05:14	1
<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 05:14	1
<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 05:14	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
	<0.00199 <0.00199 <0.00398 <0.00199 <0.00398	Result Qualifier	<0.00199 U 0.00199 <0.00199 U 0.00199 <0.00199 U 0.00199 <0.00398 U 0.00398 <0.00199 U 0.00199 <0.00398 U 0.00398	<0.00199 U 0.00199 <0.00199 U 0.00199 <0.00199 U 0.00199 <0.00398 U 0.00398 <0.00199 U 0.00199 <0.00398 U 0.00398	<0.00199	<0.00199	<0.00199	<0.00199

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 (Org	gani	cs	(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	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 19:23	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 19:23	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 19:23	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

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

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

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 - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 05:35	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Analyte	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/23/24 19:40	
Analyte Total TPH		Qualifier U	RL 49.9	MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.9	Qualifier U	RL 49.9			D	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.9	Qualifier U nics (DRO) Qualifier	RL 49.9 (GC)		mg/Kg		<u> </u>	09/23/24 19:40	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC)		mg/Kg		Prepared	09/23/24 19:40 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9		mg/Kg Unit mg/Kg		Prepared 09/21/24 17:31	09/23/24 19:40 Analyzed 09/23/24 19:40	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <49.9 sel Range Orga Result <49.9 <49.9	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:31 09/21/24 17:31	09/23/24 19:40 Analyzed 09/23/24 19:40 09/23/24 19:40	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:31 09/21/24 17:31	09/23/24 19:40 Analyzed 09/23/24 19:40 09/23/24 19:40 09/23/24 19:40	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:31 09/21/24 17:31 09/21/24 17:31 Prepared	Analyzed 09/23/24 19:40 Analyzed 09/23/24 19:40 09/23/24 19:40 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:31 09/21/24 17:31 09/21/24 17:31 Prepared 09/21/24 17:31	09/23/24 19:40 Analyzed 09/23/24 19:40 09/23/24 19:40 09/23/24 19:40 Analyzed 09/23/24 19:40	Dil Face 1 Dil Face 1 Dil Face 1 Dil Face 1
	Result <49.9	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:31 09/21/24 17:31 09/21/24 17:31 Prepared 09/21/24 17:31	09/23/24 19:40 Analyzed 09/23/24 19:40 09/23/24 19:40 09/23/24 19:40 Analyzed 09/23/24 19:40	1 Dil Fac

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

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

Client Sample Results

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

Client Sample ID: S-2 (5')

Lab Sample ID: 880-48706-10 Date Collected: 09/13/24 00:00

Result Qualifier

1480

Matrix: Solid

Analyzed

09/20/24 20:53

Dil Fac

Matrix: Solid

Date Received: 09/19/24 11:40

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 - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/23/24 19:56	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 19:56	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 19:56	1
C10-C28)									
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

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

RL

MDL Unit

mg/Kg

D

Prepared

Date Collected: 09/13/24 00:00

Analyte

Chloride

Date Received: 09/19/24 11:40

09/21/24 06:16 09/21/24 06:16 09/21/24 06:16 09/21/24 06:16	
09/21/24 06:16	
09/21/24 06:16	
09/21/24 06:16	
09/21/24 06:16	,
Analyzed	Dil Fa
09/21/24 06:16	1
09/21/24 06:16	1
09/21/24 06:16	
Analyzed 09/21/24 06:16	Dil Fac
Analyzed	Dil Fac
09/24/24 00:47	1
Analyzed	Dil Fac
09/24/24 00:47	
7	7 09/21/24 06:16 7 09/21/24 06:16

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

Client: Carmona Resources Project/Site: Spill #2

Lab Sample ID: 880-48706-11

Matrix: Solid

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

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

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 Ch	romatograp	hy - 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

Method: SW846 8021B - Volat	le Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:07	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 Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 07:07	1

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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/23/24 09:26	09/24/24 01:03	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/23/24 09:26	09/24/24 01:03	1
C10-C28)									
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

Method: EPA 300.0 - Anions, Ion C	hromatograpl	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	653		25.1		mg/Kg			09/20/24 17:10	5

70 - 130

70 - 130

116

91

Eurofins Midland

09/24/24 01:03

09/24/24 01:03

09/23/24 09:26

09/23/24 09:26

1-Chlorooctane

o-Terphenyl

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

Client Sample ID: S-3 (3')

Lab Sample ID: 880-48706-13 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	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 Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 07:28	1

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	-
_ 									
Method: SW846 8015B NM - Diese	l Range Orga	nics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	10.8</td <td>11</td> <td></td> <td></td> <td>ma/Ka</td> <td></td> <td>00/23/24 00:26</td> <td>09/24/24 01:36</td> <td></td>	11			ma/Ka		00/23/24 00:26	09/24/24 01:36	

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

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

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: S-3 (4')

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

Lab Sample ID: 880-48706-14

Matrix: Solid

Method: TAL SOP Total BTEX - To	otal BTEX Calc	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/21/24 07:48	1

Method: SW846 8015 NM - Diesel F							
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

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

Method: EPA 300.0 - Anions, Ion Ch								
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')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48706-15

Matrix: Solid

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 08:09	
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 08:09	,
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 08:09	,
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 17:00	09/21/24 08:09	
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	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	120		70 - 130				09/19/24 17:00	09/21/24 08:09	
4 4 10 15 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	105		70 ₋ 130				09/19/24 17:00	09/21/24 08:09	
Method: TAL SOP Total BTEX	- Total BTEX Cald					_			
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL 0.00403	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/21/24 08:09	
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00403	Qualifier U	RL 0.00403		mg/Kg		Prepared	Analyzed 09/21/24 08:09	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Cald Result <0.00403 esel Range Organ Result	Qualifier U ics (DRO) (Qualifier	RL 0.00403	MDL	mg/Kg	<u>D</u>		Analyzed 09/21/24 08:09 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Cald Result <0.00403	Qualifier U ics (DRO) (Qualifier	RL 0.00403		mg/Kg		Prepared	Analyzed 09/21/24 08:09	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Cald Result <- 0.00403 esel Range Organ Result <- 49.8	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 GC) RL 49.8		mg/Kg		Prepared	Analyzed 09/21/24 08:09 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Method: SW846 8015B NM - Die Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00403 esel Range Organ Result <49.8 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared	Analyzed 09/21/24 08:09 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	- Total BTEX Calc Result <0.00403 esel Range Organ Result <49.8 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U anics (DRO) Qualifier	RL 0.00403 GC) RL 49.8	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 08:09 Analyzed 09/24/24 02:08	Dil Fac

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

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

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

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC) (Continu	ıed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<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 C	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorida	784		24.8		ma/Ka			09/20/24 17:26	

Surrogate Summary

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrog
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48620-A-3-B MS	Matrix Spike	105	102	
880-48620-A-3-C MSD	Matrix Spike Duplicate	108	99	
880-48706-1	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	
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
		1001	OTPH1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48699-A-1-G MS	Matrix Spike	132 S1+	126	
380-48699-A-1-H MSD	Matrix Spike Duplicate	131 S1+	126	
380-48706-1	S-1 (0-1')	143 S1+	127	
880-48706-2	S-1 (2')	131 S1+	117	
80-48706-3	S-1 (3')	143 S1+	126	
80-48706-4	S-1 (4')	122	112	
80-48706-5	S-1 (5')	138 S1+	127	
80-48706-6	S-2 (0-1')	134 S1+	119	
80-48706-7	S-2 (2')	134 S1+	123	
80-48706-8	S-2 (3')	131 S1+	118	
80-48706-9	S-2 (4')	115	106	
880-48706-10	S-2 (5')	208 S1+	194 S1+	

Surrogate Summary

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48706-11	S-3 (0-1')	108	86	
880-48706-12	S-3 (2')	116	91	
880-48706-13	S-3 (3')	107	85	
880-48706-14	S-3 (4')	106	85	
880-48706-15	S-3 (5')	115	91	
890-7144-A-7-F MS	Matrix Spike	102	90	
890-7144-A-7-G MSD	Matrix Spike Duplicate	102	88	
LCS 880-91410/2-A	Lab Control Sample	111	106	
LCS 880-91441/2-A	Lab Control Sample	114	105	
LCSD 880-91410/3-A	Lab Control Sample Dup	113	107	
LCSD 880-91441/3-A	Lab Control Sample Dup	115	103	
MB 880-91410/1-A	Method Blank	118	106	
MB 880-91441/1-A	Method Blank	100	153 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

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QC Sample Results

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

Method: 8021B - Volatile Organic Compounds (GC)

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

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

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

Prep Type: Total/NA

Prep Batch: 91200

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

MB MB

MD MD

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91200

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

Matrix: Solid

Matrix: Solid

Analysis Batch: 91281

Analysis Batch: 91281

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91200

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

LCSD LCSD

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

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

Matrix: Solid

Analysis Batch: 91281

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

Prep Batch: 91200

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

QC Sample Results

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

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

Analysis Batch: 91281

Lab Sample ID: 880-48620-A-3-B MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00202 U F1 0.101 0.05931 F1 59 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00404 U F1 0.202 0.1198 F1 mg/Kg 59 70 - 130 0.101 o-Xylene <0.00202 UF1 0.05967 F1 mg/Kg 59 70 - 130

MS MS

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

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

Prep Batch: 91200

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

MSD MSD

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

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

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91229

MB MB

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

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

Spike	LCS	LCS				%Rec	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
0.100	0.09103		mg/Kg		91	70 - 130	
0.100	0.08674		mg/Kg		87	70 - 130	
0.100	0.08487		mg/Kg		85	70 - 130	
0.200	0.1799		mg/Kg		90	70 - 130	
	0.100 0.100 0.100	Added Result 0.100 0.09103 0.100 0.08674 0.100 0.08487	Added Result Qualifier 0.100 0.09103 0.100 0.08674 0.100 0.08487	Added Result Qualifier Unit 0.100 0.09103 mg/Kg 0.100 0.08674 mg/Kg 0.100 0.08487 mg/Kg	Added Result Qualifier Unit D 0.100 0.09103 mg/Kg 0.100 0.08674 mg/Kg 0.100 0.08487 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.09103 mg/Kg 91 0.100 0.08674 mg/Kg 87 0.100 0.08487 mg/Kg 85	Added Result Qualifier Unit D %Rec Limits 0.100 0.09103 mg/Kg 91 70 - 130 0.100 0.08674 mg/Kg 87 70 - 130 0.100 0.08487 mg/Kg 85 70 - 130

QC Sample Results

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

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

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

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

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

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

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

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

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09165		mg/Kg		92	70 - 130	1	35
Toluene	0.100	0.08666		mg/Kg		87	70 - 130	0	35
Ethylbenzene	0.100	0.08550		mg/Kg		86	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1816		mg/Kg		91	70 - 130	1	35
o-Xylene	0.100	0.09161		mg/Kg		92	70 - 130	0	35

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

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

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 91278 Prep Batch: 91229

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

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

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

Client Sample ID: Matrix Spike Duplicate

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

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.0998	0.08768		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

Eurofins Midland

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QC Sample Results

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

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

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

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91286

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

Matrix: Solid

Analysis Batch: 91278

MB	MB
Result	Qua

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/20/24 09:13	09/20/24 11:46	1

MB MB

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

мв мв

Analyte	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

MB MB

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

Released to Imaging: 12/6/2024 1:53:02 PM

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91410

	MB	MB							
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 17:30	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

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

Job ID: 880-48706-1

SDG: Eddy County. New Mexico

Client: Carmona Resources Project/Site: Spill #2

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91410

MB MB

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

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

Matrix: Solid

Analysis Batch: 91463

Prep Type: Total/NA

Prep Batch: 91410

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

LCS LCS

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

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

Matrix: Solid

Analysis Batch: 91463

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	1000	976.6		mg/Kg		98	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	873.8		mg/Kg		87	70 - 130	2	20
C10-C28)									

LCSD LCSD

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

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

Prep Type: Total/NA

Analysis Batch: 91463 Prep Batch: 91410

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

C10-C28)

MS MS

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

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

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

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

Matrix: Solid **Analysis Batch: 91463** Prep Type: Total/NA Prep Batch: 91410

Sample Sample Spike MSD MSD RPD Result Qualifier RPD Limit Analyte babbA Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.1 U 1010 1102 mg/Kg 110 70 - 130 20 (GRO)-C6-C10 1010 Diesel Range Organics (Over <50.1 U 1112 mg/Kg 108 70 - 1303 20

C10-C28)

MSD MSD

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

Lab Sample ID: MB 880-91441/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 91462

Prep Type: Total/NA

Prep Batch: 91441

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

MR MR

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

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

LCS LCS

Surrogate	%Recovery 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

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

Job ID: 880-48706-1

Client: Carmona Resources Project/Site: Spill #2 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 %Recovery Qualifier Surrogate Limits 1-Chlorooctane 115 70 - 130 o-Terphenyl 103 70 - 130

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

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•	•
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 91462	Prep Batch: 91441

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

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

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

Matrix: Solid

Analysis Batch: 91462

Client Sample I	D: Matrix Spike Duplicate
	Draw Times Total/NA

Prep Type: Total/NA Prep Batch: 91441

Sample Sample Spike MSD MSD Analyte Result Qualifier hahhA Result Qualifier Unit %Rec Limits RPD Limit D Gasoline Range Organics <50.0 U 999 765.5 mg/Kg 77 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 999 745.1 mg/Kg 75 70 - 130 2 20 C10-C28)

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

MSD MSD

Method: 300.0 - Anions, Ion Chromatography

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

Analysis Batch: 91299

	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 **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 91299

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

Job ID: 880-48706-1

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

Method: 300.0 - Anions, Ion Chromatography (Continued)

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

Analysis Batch: 91299

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

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

Analysis Batch: 91299

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

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

Matrix: Solid

Analysis Batch: 91299

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

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

Matrix: Solid

Analysis Batch: 91312

мв мв

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

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

Matrix: Solid

Analysis Batch: 91312

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

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

Analysis Batch: 91312

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

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

Matrix: Solid

Analysis Batch: 91312

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

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

Matrix: Solid

Analysis Batch: 91312

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

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Prep Type: Soluble



Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

GC VOA

Prep Batch: 91200

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

Prep Batch: 91229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep 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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Client: Carmona Resources

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

SDG: Eddy County. New Mexico

GC VOA

Analysis Batch: 91281

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

Prep Batch: 91286

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

Prep Batch: 91287

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

Analysis Batch: 91497

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

GC Semi VOA

Prep Batch: 91410

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

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

GC Semi VOA (Continued)

Prep Batch: 91410 (Continued)

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

Prep Batch: 91441

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

Analysis Batch: 91462

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

Analysis Batch: 91463

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

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

GC Semi VOA

Analysis Batch: 91625

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

HPLC/IC

Leach Batch: 91277

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

Leach Batch: 91283

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

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

HPLC/IC

Analysis Batch: 91299

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

Analysis Batch: 91312

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

Client: Carmona Resources

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

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

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

Lab Sample ID: 880-48706-1

Matrix: Solid

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

Client Sample ID: S-1 (2')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48706-2

Matrix: Solid

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 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
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Matrix: Solid

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

Client: Carmona Resources

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

Project/Site: Spill #2

Lab Sample ID: 880-48706-4

Matrix: Solid

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

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

Lab Sample ID: 880-48706-5

Matrix: Solid

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

Client Sample ID: S-1 (5')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 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') Lab Sample ID: 880-48706-6 Date Collected: 09/13/24 00:00 **Matrix: Solid**

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

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

Date Received: 09/19/24 11:40

Released to Imaging: 12/6/2024 1:53:02 PM

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

Eurofins Midland

9/24/2024

Analysis

Client: Carmona Resources

Client Sample ID: S-2 (2')

Date Collected: 09/13/24 00:00

Project/Site: Spill #2

300.0

Job ID: 880-48706-1

SDG: Eddy County. New Mexico

Lab Sample ID: 880-48706-7

СН

09/20/24 20:27

Matrix: Solid

EET MID

Date Received: 09/19/24 11:40 Batch Batch Dil Initial Final Batch Prepared Method Prep Type Туре Run Factor Amount Amount Number or Analyzed Analyst Lab 09/20/24 08:42 Soluble DI Leach 91277 Leach 5.04 g 50 mL SA EET MID

5

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

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

50 mL

50 mL

91299

Date Received: 09/19/24 11:40

Soluble

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

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

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

Matrix: Solid

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

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

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

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

Eurofins Midland

Matrix: Solid

Released to Imaging: 12/6/2024 1:53:02 PM

Client: Carmona Resources

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

Project/Site: Spill #2

Lab Sample ID: 880-48706-11

Client Sample ID: S-3 (0-1') Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Matrix: Solid

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

Lab Sample ID: 880-48706-12

Matrix: Solid

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

Client Sample ID: S-3 (2')

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

Client Sample ID: S-3 (3') Lab Sample ID: 880-48706-13

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91200	09/19/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91281	09/21/24 07:28	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

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

Lab Chronicle

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

Client Sample ID: S-3 (4')

Lab Sample ID: 880-48706-14 Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

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

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

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Laboratory: Eurofins Midland

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

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

3

4

6

9

11

13

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

880-48706 Chain of Custody	Page 1 of 2	S	PRP Brownfields RRC Diperfund			ADaPT Other:	Preservative Codes	None: NO DI Water: H ₂ O	_	HCL: HC HNO3: HN	12504: 12 NaOH: Na	NaHSO4: NABIS	Na ₂ S ₂ O ₃ : NaSO ₃	Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments												Date/Time	0hl) 6//6
880-487		Wo	Program: UST/PST PF	State of Project:	Reporting: Level II Level III	Deliverables: EDD	ANALYSIS REQUEST																					Received by: (Signature)	
stody		Carmona Resources				s.com	ANAL		(МКО		6 300 0 + D			108 1	нат	× ×	×	×	×	××	××	×	×	×	×	carmonaresources.com	lime	
Chain of Custody		Carmo				onaresource		Pres. Code				emen 8021E		ra		# of Cont	۲- ×	×	_ ×	- ×	1 ×	1 ×	, ×	, ×	1 ×	٦ ×	:moehring@	Date/Time	9/M/34
Chain		Bill to: (if different)	Company Name:	Address:	City, State ZIP:	mcarmona@carmonaresources.com	Around	☐ Rush	Standard		No.			5		Water Grab/	Ø	တ	O	9	9	9	9	9	9	g	ner Moehring / C		
			0	A	0	Email: n	Turn A	✓ Routine	Due Date:		W/at 100.	Wel Ice.				Soll	×	×	×	×	×	×	×	×	×	×	ss.com and Conr		
							#2	_	New Mexico	PB	oly solv		Correction Factor:	Temperature Reading:	Corrected Temperature:	Time											ona@carmonaresource	Relinquished by: (Signature)	
		inguez	esonices	310 W Wall St Ste 500	K 79701	75	Spill #2	2511	Eddy County, New Mexico	DD & PB	Tomp Blonk	Yes No	Yes No / MA	Yes No N/A)	Date	9/13/2024	9/13/2024	9/13/2024	9/13/2024	9/13/2024	9/13/2024	9/13/2024	9/13/2024	9/13/2024	9/13/2024	ırmona / Mcarm	Relinquis	
		Project Manager: Devin Dominguez			City, State ZIP: Midland, TX 79701	Phone: 432-701-5475	Project Name:	Project Number:	Project Location	Sampler's Name:	SAMDI E DECEIDT		Cooler Custody Seals: Y	Sample Custody Seals: Y.	Total Containers:	Sample Identification	S-1 (0-1')	S-1 (2')	S-1 (3')	S-1 (4')	S-1 (5')	S-2 (0-1')	S-2 (2')	S-2 (3')	S-2 (4')	S-2 (5')	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com		U

Work Order No: MSTD()

Commone Resources Comm	Project Manager: Devi	Devin Dominguez			Bill to: (if different)	erent)	Cam	Carmona Resources	urces					Work Orde	Work Order Comments	
Michael In Part Shill #2 Sh		nona Resources			Company	vame:						Prograi	n: UST/PST	PRP	wnflelds RR	chperfund
Modernot, 17,7201 Mode		W Wall St Ste 500			Address:							State o	Project:			
A122-701-5475 Spill #2 Turn-Anderson T	e ZIP:	and, TX 79701			City, State	ZIP:						Reportir	ıg:Level II 🗌 L	evel III		P Level IV
Preservative Spill #2		701-5475		Email:	mcarmon	a@carmo	naresourc	es.com				Delivera	bles: EDD	ADe		er:
Thinking	Project Name.	Spill	#2	Turn	Around					A	ALYSIS	REQUEST			Preser	vative Codes
Fig. 20 Country New Mexico Die Date Standard Fig. 1 Fig. 2 Fig. 1 Fig. 2 Fig. 1 Fig. 2 Fig. 3	Project Number:	251	1		_		res.								None: NO	DI Water: H ₂ O
PLE RECEIPT Term Blank Year No	Project Location	Eddy County	New Mexico	Due Date:	Stand						_				Cool: Cool	MeOH: Me
PLE RECEIPT Temp Bank. Yes No West Co. Yes No West Co. Particle Particle	Sampler's Name:	& DD &	PB			Γ		(оы							HCL: HC	HNO3: HN
Temp Blank	PO #:						SJ	N +							H ₂ SO ₄ : H ₂	NaOH: Na
Yes No NiA Correction Factor: Paramoneter ID: Paramoneter	SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes	No		ояа	0.00						H₃PO4: HP	
Yes No N/A Correction Factor Notes No N/A Temperature Reading: No N/A NO N/A	Received Intact:	1 1	Thermometer ID:					+ 0	de 34						NaHSO4: NA	BIS
Yes No N/A Temperature Reading: 2016 1	Cooler Custody Seals:		Correction Factor:					สอ)	inol						Na ₂ S ₂ O ₃ : Na	SO ₃
Corrected Temperature: Soil Water Comp Form Fo	Sample Custody Seals:	S.	Temperature Reading:				8	WSI							Zn Acetate+P	VaOH: Zn
Received by: (Signature)	Total Containers:		Corrected Temperature:					·08 I							NaOH+Ascol	bic Acid: SAPC
Received by: (Signature)	Sample Identifica		Time	Soll	Water	_	tof	lдТ							Sampl	e Comments
Pecelved by: (Signature)	S-3 (0-1')	9/13/2024		×		O	×	×	×							
Received by: (Signature)	S-3 (2')	9/13/2024		×		ပ		×	×							
Received by: (Signature)	S-3 (3')	9/13/2024		×		O		×	×							
Received by: (Signature)	S-3 (4')	9/13/2024		×		ŋ		×	×							
Received by: (Signature)	S-3 (5')	9/13/2024		×		ŋ	۲ ×	×	×							
Received by: (Signature)						-										
Received by: (Signature)																
Received by: (Signature)							-									
Received by: (Signature)																
Received by: (Signature)																
Date/Time Received by: (Signature)	Comments: Email to	Mike Carmona / Mcarm	nona@carmonaresourc	es.com and Co	nner Moe	hring / Cr	noehring	Ocarmo	naresour	ces.com						
Date/Time Received by: (Signature)																
Date/Time Received by: (Signature)																
		Relinquis	shed by: (Signature)				Date	Time			,	Received by	(Signature)			, Date/Time
							9/19/15	7							5	10 110
									-							

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48706-1

SDG Number: Eddy County. New Mexico

List Source: Eurofins Midland

Login Number: 48706
List Number: 1

Creator: Vasquez, Julisa

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

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12

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Midland, Texas 79701

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

JOB DESCRIPTION

Spil #2 Eddy County. New Mexico

JOB NUMBER

880-48705-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

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

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

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13

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

Table of Contents

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-48705-1

Project/Site: Spil #2

SDG: Eddy County. New Mexico

2

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.

5

GC Semi VOA

 Qualifier
 Qualifier Description

 S1+
 Surrogate recovery exceeds control limits, high biased.

 U
 Indicates the analyte was analyzed for but not detected.

7

HPLC/IC

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
MQL Method Quantitation Limit

NC Not Calculated

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

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

PRES Presumptive

QC Quality Control
RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources

Job ID: 880-48705-1

Project: Spil #2

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.

Job ID: 880-48705-1

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

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

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

Lab Sample ID: 880-48705-1

09/23/24 16:09

Analyzed

Dil Fac

Matrix: Solid

09/21/24 17:31

Prepared

D

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 05:46	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
Total BTEX	0.0184		0.00400		mg/Kg			09/21/24 05:46	1
		ico (DBO) (mg/Kg			09/21/24 05:46	1
Method: SW846 8015 NM - Diese	l Range Organ		GC)	MDI			Propared		
Method: SW846 8015 NM - Diese Analyte	l Range Organ	Qualifier		MDL		D	Prepared	09/21/24 05:46 Analyzed 09/23/24 16:09	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	Range Organ Result <49.7 sel Range Organ	Qualifier U	GC) RL 49.7		Unit mg/Kg			Analyzed 09/23/24 16:09	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Range Organ Result <49.7 sel Range Orga Result	Qualifier Unics (DRO) Qualifier	GC) RL 49.7 (GC) RL	MDL MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/23/24 16:09 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Range Organ Result <49.7 sel Range Organ	Qualifier Unics (DRO) Qualifier	GC) RL 49.7		Unit mg/Kg			Analyzed 09/23/24 16:09	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	Result sel Range Organ Result 49.7 sel Range Organ Result <49.7	Qualifier U nics (DRO) Qualifier U	GC) RL 49.7 (GC) RL 49.7		Unit mg/Kg Unit mg/Kg		Prepared 09/21/24 17:31	Analyzed 09/23/24 16:09 Analyzed 09/23/24 16:09	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Range Organ Result <49.7 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	GC) RL 49.7 (GC) RL		Unit mg/Kg		Prepared	Analyzed 09/23/24 16:09 Analyzed	Dil Fac Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result sel Range Organ Result <49.7 sel Range Organ Result <49.7	Qualifier U nics (DRO) Qualifier U	GC) RL 49.7 (GC) RL 49.7		Unit mg/Kg Unit mg/Kg		Prepared 09/21/24 17:31	Analyzed 09/23/24 16:09 Analyzed 09/23/24 16:09	Dil Fac Dil Fac 1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result sel Range Organ Result 49.7 sel Range Organ Result <49.7 <49.7	Qualifier U nics (DRO) Qualifier U U	GC) RL 49.7 (GC) RL 49.7 49.7		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:31 09/21/24 17:31	Analyzed 09/23/24 16:09 Analyzed 09/23/24 16:09 09/23/24 16:09	Dil Fac Dil Fac 1

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

RL

MDL Unit

70 - 130

145 S1+

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

o-Terphenyl

Analyte

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

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

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

09/23/24 16:25

09/21/24 17:31

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTI	EX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX <	0.00401	U	0.00401		mg/Kg			09/21/24 06:06	1
Г									
Method: SW846 8015 NM - Diesel Range	_								

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

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Dil Fac Analyte Prepared Analyzed <49.9 U 49.9 09/23/24 16:25 09/21/24 17:31 Gasoline Range Organics mg/Kg (GRO)-C6-C10 49.9 Diesel Range Organics (Over <49.9 U mg/Kg 09/21/24 17:31 09/23/24 16:25 C10-C28) Oil Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 09/21/24 17:31 09/23/24 16:25 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 09/21/24 17:31 1-Chlorooctane 147 S1+ 09/23/24 16:25

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

70 - 130

130

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

Released to Imaging: 12/6/2024 1:53:02 PM

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	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
								00/04/04 00 07	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte		culation Qualifier	70 ₋ 130 RL	MDL	Unit	D	09/19/24 13:30 Prepared	09/21/24 06:27 Analyzed	
Method: TAL SOP Total BTEX	- Total BTEX Cald								
Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald Result <0.00399	Qualifier U	RL 0.00399	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald Result <0.00399 esel Range Organ	Qualifier U	RL 0.00399	MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00399 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00399		mg/Kg		Prepared	Analyzed 09/21/24 06:27	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Cald Result <0.00399 esel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00399 ——————————————————————————————————		mg/Kg		Prepared	Analyzed 09/21/24 06:27 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00399 esel Range Organ Result <50.0 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00399 ——————————————————————————————————		mg/Kg Unit mg/Kg		Prepared	Analyzed 09/21/24 06:27 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00399 esel Range Organ Result <50.0 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00399 GC) RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 06:27 Analyzed 09/23/24 16:42	Dil Fac

Job ID: 880-48705-1

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

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

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

Lab Sample ID: 880-48705-3

Matrix: Solid

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

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

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

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

1,4-Difluorobenzene (Surr)

Lab Sample ID: 880-48705-4

09/21/24 06:47

09/19/24 13:30

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00202 U 0.00202 09/19/24 13:30 09/21/24 06:47 mg/Kg Toluene <0.00202 U 0.00202 09/19/24 13:30 09/21/24 06:47 mg/Kg Ethylbenzene <0.00202 U 0.00202 09/19/24 13:30 09/21/24 06:47 mg/Kg m-Xylene & p-Xylene 09/19/24 13:30 09/21/24 06:47 <0.00403 U 0.00403 mg/Kg o-Xylene <0.00202 U 0.00202 mg/Kg 09/19/24 13:30 09/21/24 06:47 Xylenes, Total <0.00403 U 0.00403 mg/Kg 09/19/24 13:30 09/21/24 06:47 %Recovery Limits Dil Fac Surrogate Qualifier Prepared Analyzed 70 - 130 4-Bromofluorobenzene (Surr) 118 09/19/24 13:30 09/21/24 06:47

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

70 - 130

111

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

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <49.8 U 49.8 09/21/24 17:31 09/23/24 16:58 mg/Kg (GRO)-C6-C10 09/21/24 17:31 09/23/24 16:58 Diesel Range Organics (Over <49.8 U 49.8 mg/Kg Oil Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg 09/21/24 17:31 09/23/24 16:58 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 135 S1+ 70 - 130 09/21/24 17:31 09/23/24 16:58 70 - 130 09/21/24 17:31 o-Terphenyl 125 09/23/24 16:58

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

Surrogate Summary

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

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48620-A-3-B MS	Matrix Spike	105	102	
880-48620-A-3-C MSD	Matrix Spike Duplicate	108	99	
880-48705-1	H-1 (0-1')	423 S1+	122	
880-48705-2	H-2 (0-1')	107	103	
880-48705-3	H-3 (0-1')	103	94	
880-48705-4	H-4 (0-1')	118	111	
LCS 880-91200/1-A	Lab Control Sample	120	105	
_CSD 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	

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)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48699-A-1-G MS	Matrix Spike	132 S1+	126	
880-48699-A-1-H MSD	Matrix Spike Duplicate	131 S1+	126	
880-48705-1	H-1 (0-1')	162 S1+	145 S1+	
880-48705-2	H-2 (0-1')	147 S1+	130	
380-48705-3	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	
_CSD 880-91410/3-A	Lab Control Sample Dup	113	107	
MB 880-91410/1-A	Method Blank	118	106	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

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

Method: 8021B - Volatile Organic Compounds (GC)

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

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

Prep Type: Total/NA

Prep Batch: 91200

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

MB MB

Surrogate	%Recovery	Qualifier	Limits	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

Analysis Batch: 91281

Prep Type: Total/NA Prep Batch: 91200

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

LCS LCS

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

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

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91200

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

LCSD LCSD

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

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

Matrix: Solid

Analysis Batch: 91281

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

Prep Batch: 91200

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

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QC Sample Results

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

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

Lab Sample ID: 880-48620-A-3-B MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid Analysis Batch: 91281

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00202 U F1 0.101 0.05931 F1 59 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00404 UF1 0.202 0.1198 F1 mg/Kg 59 70 - 130 0.101 o-Xylene <0.00202 U F1 0.05967 F1 mg/Kg 59 70 - 130

MS MS

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

Lab Sample ID: 880-48620-A-3-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 91281

Prep Type: Total/NA

Prep Batch: 91200

Prep Batch: 91200

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

MSD MSD

Surrogate	%Recovery	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

MB MB

Analyte	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

MB MB

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

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

Lab Sample ID: MB 880-91410/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 91463

MB MB Analyte Result Qualifier RL MDL Unit Prepared Analyzed <50.0 U 50.0 09/21/24 17:30 09/23/24 11:38 Gasoline Range Organics mg/Kg

(GRO)-C6-C10

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Prep Batch: 91410

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 91410

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

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

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

Analysis Batch: 91463

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

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							Prep 1	Type: Total/NA
Analysis Batch: 91463							Prep	Batch: 91410
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	986.6		mg/Kg		99	70 - 130	
(GRO)-C6-C10								

856.2

mg/Kg

1000

Diesel Range Organics (Over C10-C28)

LCS LCS

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

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

Matrix: Solid

Analysis Batch: 91463

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

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

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Released to Imaging: 12/6/2024 1:53:02 PM

Analysis Batch: 91463

Lab Sample ID: 880-48699-A-1-G MS	Client Sample ID: Matrix Spike
Matrix: Solid	Pren Type: Total/NA

Prep Batch: 91410

Prep Type: Total/NA

Prep Batch: 91410

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

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

QC Sample Results

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

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

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

Matrix: Solid Analysis Batch: 91463 Prep Type: Total/NA Prep Batch: 91410

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

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

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

Method: 300.0 - Anions, Ion Chromatography

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

Matrix: Solid

Analysis Batch: 91299

мв мв

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

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

Analysis Batch: 91299

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

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

Matrix: Solid

Analysis Batch: 91299

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

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

Matrix: Solid

Analysis Batch: 91299

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	8 67		249	242 0		ma/Ka		94	90 - 110	

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

Matrix: Solid

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Analysis Batch: 91299											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	8.67		249	242.5	-	mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Carmona Resources

Job ID: 880-48705-1
Project/Site: Spil #2

SDG: Eddy County. New Mexico

GC VOA

Prep Batch: 91200

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

Analysis Batch: 91281

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

Prep Batch: 91287

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

Analysis Batch: 91496

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

GC Semi VOA

Prep Batch: 91410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
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

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

GC Semi VOA (Continued)

Analysis Batch: 91463 (Continued)

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

Analysis Batch: 91633

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

HPLC/IC

Leach Batch: 91277

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

Analysis Batch: 91299

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

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

Lab Sample ID: 880-48705-1

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

Matrix: Solid

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

Lab Sample ID: 880-48705-2

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

Matrix: Solid

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 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 MIC
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 MIC
Soluble	Analysis	300.0		50	50 mL	50 mL	91299	09/20/24 18:33	CH	EET MIC

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

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

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

Lab Sample ID: 880-48705-4

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Lab Chronicle

Client: Carmona Resources

Job ID: 880-48705-1

Project/Site: Spil #2

SDG: Eddy County. New Mexico

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

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

Matrix: Solid

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

Laboratory References:

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

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Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-48705-1

Project/Site: Spil #2

SDG: Eddy County. New Mexico

Laboratory: Eurofins Midland

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

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

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Method Summary

Client: Carmona Resources Project/Site: 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

iain of Custody

												Page 1	of
Project Manager: De	Devin Dominguez			Bill to: (if different)	ant)	Carmon	Carmona Resources	ses			Work Order Comments	Comments	
Company Name: Ca	Carmona Resources			Company Name:	me:					Program: UST/PST	JPRP Brown	PRP Brownfields RRC	Duperfund
Address: 310	310 W Wall St Ste 500			Address:						State of Project:			
City, State ZIP: Mic	Midland, TX 79701			City, State ZIP	Ó.					Reporting:Level III DST/UST	evel III DST/	/UST TRRP	☐ Level IV ☐
Phone: 43:	432-701-5475		Email	Email: mcarmona@carmonaresources.com	Dcarmonar	sources	com			Deliverables: EDD	☐ ADaPT ☐	T Other:	
Project Name:	Spii	Spill #2	Tur	Turn Around				A	ANALYSIS REQUEST	QUEST		Preserva	Preservative Codes
Project Number:	25	2511	✓ Routine	Rush	Pres. Code							None: NO	DI Water: H ₂ O
Project Location	Eddy County	Eddy County, New Mexico	Due Date:	Standard								Cool: Cool	MeOH: Me
Sampler's Name:	QQ	DD & PB				_	(оы	_			_	HCL: HC	HNO3: HN
PO #:					SJ		W +					H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes	eter	81	_					H ₃ PO ₄ : HP	
Received Intact:	Yes No	Thermometer ID:			nen	208						NaHSO4: NABIS	
Cooler Custody Seals:	Yes No N/A	Correction Factor:			Pa	X3.	OHO					Na2S2O3: NaSO3	3
Sample Custody Seals:	Yes No N/A	Temperature Reading:		7.		18						Zn Acetate+NaOH: Zn	DH: Zn
Total Containers:		Corrected Temperature:		٧.			108					NaOH+Ascorbic Acid: SAPC	Acid: SAPC
Sample Identification	cation	Time	Soll	Water	Grab/ # of Comp Cont		нат					Sample (Sample Comments
H-1 (0-1')	9/13/2024	4	×		9	×	×						
H-2 (0-1')	9/13/2024	4	×		1	×	×						
H-3 (0-1')	9/13/2024	4	×		٦ 1	×	×						
H-4 (0-1')	9/13/2024	4	×		1	×	×						
							_						
							4						
Comments: Email to	Mike Carmona / Mcan	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	ces.com and Co	nner Moehr	ing / Cmoe	hring@c	armonar	esources.com					
	Relinqu	Relinquished by: (Signature)				Date/Time	ne		ž	Received by: (Signature)			Date/Time
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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48705-1

SDG Number: Eddy County. New Mexico

Login Number: 48705 List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

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

5 UJ 202

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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

JOB DESCRIPTION

Spill #2 Eddy County. New Mexico

JOB NUMBER

880-48707-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

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

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 10

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

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Definitions/Glossary

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

Qualifiers

_	_	٠,	$\overline{}$	•
G	b	V	U	А

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

*_	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

Surrogate recovery exceeds control limits, high biased.

Indicates the analyte was analyzed for but not detected.

HPLC/IC

S1+

U

Qualifier **Qualifier Description** MS and/or MSD recovery exceeds control limits.

Qualifier Description

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor

Detection Limit (DoD/DOE)

DL DL, RA, RE, IN

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

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

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

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

NC Not Calculated

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

Negative / Absent NEG POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RI

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

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
- 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 (0-11) (880-48707-7), BG-4 (2') (880-48707-8), BG-5 (0-11) (880-48707-9), BG-6 (0-11) (880-48707-10), BG-6 (2') (880-48707-11),

Case Narrative

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

Project: Spill #2

Job ID: 880-48707-1 (Continued)

Eurofins Midland

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

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

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

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

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

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.

Client Sample Results

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

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

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

Lab Sample ID: 880-48707-1

Matrix: Solid

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

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

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 09/22/24 09:26 mg/Kg

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

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

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

Lab Sample ID: 880-48707-2

Matrix: Solid

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

Client Sample Results

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: BG-1 (2')

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

09/20/24 17:47

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/22/24 16:53	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/22/24 10:23	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 10:23	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 10:23	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:33	09/22/24 10:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	179	S1+	70 - 130				09/21/24 17:33	09/22/24 10:23	1
o-Terphenyl	184	S1+	70 - 130				09/21/24 17:33	09/22/24 10:23	1
- -									
Method: EPA 300.0 - Anions, Ion	• .	•							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-3

Matrix: Solid

50.0

mg/Kg

2440

Date Received: 09/19/24 11:40

Chloride

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) Method: TAL SOP Total BTEX -	113 Total BTEX Cald	culation	70 - 130				09/19/24 13:42	09/22/24 17:13	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	09/19/24 13:42 Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX	Total BTEX Calc Result <0.00403	Qualifier U	RL 0.00403	MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX -	Total BTEX Calc Result <0.00403 el Range Organ	Qualifier U	RL 0.00403			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies	Total BTEX Calc Result <0.00403 el Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00403		mg/Kg		Prepared	Analyzed 09/22/24 17:13	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Total BTEX Calc Result <0.00403 el Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 GC) RL 50.0		mg/Kg		Prepared	Analyzed 09/22/24 17:13 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	Total BTEX Calc Result <0.00403 el Range Organ Result <50.0 ssel Range Organ	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 GC) RL 50.0	MDL	mg/Kg		Prepared	Analyzed 09/22/24 17:13 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die	Total BTEX Calc Result <0.00403 el Range Organ Result <50.0 sel Range Orga Result Result Result Result Result Result	Qualifier U ics (DRO) (Qualifier U nics (DRO)	RL 0.00403 GC) RL 50.0	MDL	mg/Kg Unit mg/Kg	<u></u>	Prepared Prepared	Analyzed 09/22/24 17:13 Analyzed 09/22/24 10:42	Dil Fac

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

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

Lab Sample ID: 880-48707-3 Matrix: Solid

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

Client: Carmona Resources

Project/Site: Spill #2

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC) (Continu	ıed)				
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/21/24 17:33	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 C	hromatography - 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**

Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
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 - Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	
Method: TAL SOP Total BTEX - Analyte Total BTEX	<0.00398	Qualifier U	0.00398	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/22/24 17:34	
Method: TAL SOP Total BTEX -	Result <0.00398 el Range Organ	Qualifier U	0.00398	MDL MDL	mg/Kg	<u>D</u>	Prepared Prepared		Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00398 el Range Organ	Qualifier U ics (DRO) (Comparison of the property of the prope	0.00398 GC)		mg/Kg			09/22/24 17:34	1
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Result <0.00398 el Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	0.00398 GC) RL 49.8		mg/Kg			09/22/24 17:34 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	el Range Organ Result <49.8 esel Range Organ	Qualifier U ics (DRO) (Qualifier U	0.00398 GC) RL 49.8		mg/Kg Unit mg/Kg			09/22/24 17:34 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <49.8 esel Range Orga Result Result Result Result Result Result	Qualifier U ics (DRO) (Qualifier U nics (DRO)	0.00398 GC) RL 49.8 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	09/22/24 17:34 Analyzed 09/22/24 11:01	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <0.00398 el Range Organ Result <49.8 esel Range Orga Result <49.8	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00398 GC) RL 49.8 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	09/22/24 17:34 Analyzed 09/22/24 11:01 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00398 el Range Organ Result <49.8 esel Range Orga Result <49.8	Qualifier U ics (DRO) (Qualifier U mics (DRO) Qualifier U *- *1 U *- *1	0.00398 GC) RL 49.8 (GC) RL 49.8	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 09/21/24 17:33	09/22/24 17:34 Analyzed 09/22/24 11:01 Analyzed 09/22/24 11:01	Dil Fac

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble	9						
Analyte	Result Qualifier	RL	MDL U	Init	D	Prepared	Analyzed	Dil Fac
Chloride	2600	100	m	ng/Kg			09/20/24 17:58	20

70 - 130

70 - 130

170 S1+

173 S1+

Eurofins Midland

09/22/24 11:01

09/22/24 11:01

09/21/24 17:33

09/21/24 17:33

1-Chlorooctane

o-Terphenyl

Job ID: 880-48707-1

Client: Carmona Resources Project/Site: Spill #2 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

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)			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 - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 17:54	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
		ics (DRO) (GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/22/24 11:21	Dil Fac
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9	MDL		<u>D</u>	Prepared		
Analyte Total TPH . Method: SW846 8015B NM - Die	Result <49.9	Qualifier U	RL 49.9			D	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.9 sel Range Orga Result	Qualifier Unics (DRO)	RL 49.9 (GC)		mg/Kg			09/22/24 11:21	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result <49.9	Qualifier Unics (DRO) Qualifier	(GC)		mg/Kg		Prepared	09/22/24 11:21 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U *- *1 U *- *1	(GC) RL 49.9		mg/Kg Unit mg/Kg		Prepared 09/21/24 17:33	09/22/24 11:21 Analyzed 09/22/24 11:21	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U nics (DRO) Qualifier U *- *1 U *- *1	RL 49.9 (GC) RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:33	09/22/24 11:21 Analyzed 09/22/24 11:21 09/22/24 11:21	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U *- *1 U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:33 09/21/24 17:33	09/22/24 11:21 Analyzed 09/22/24 11:21 09/22/24 11:21 09/22/24 11:21	Dil Face 1 Dil Face 1 Dil Face
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U nics (DRO) Qualifier U *- *1 U *- *1 U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:33 09/21/24 17:33 09/21/24 17:33 Prepared	09/22/24 11:21 Analyzed 09/22/24 11:21 09/22/24 11:21 09/22/24 11:21 Analyzed	Dil Face 1 Dil Face 1 Dil Face
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U *- *1 U *- *1 U Qualifier S1+ S1+	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:33 09/21/24 17:33 09/21/24 17:33 Prepared 09/21/24 17:33	09/22/24 11:21 Analyzed 09/22/24 11:21 09/22/24 11:21 09/22/24 11:21 Analyzed 09/22/24 11:21	
Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9	Qualifier U nics (DRO) Qualifier U *- *1 U *- *1 U Qualifier S1+ S1+	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:33 09/21/24 17:33 09/21/24 17:33 Prepared 09/21/24 17:33	09/22/24 11:21 Analyzed 09/22/24 11:21 09/22/24 11:21 09/22/24 11:21 Analyzed 09/22/24 11:21	Dil Fac

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

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

Client Sample Results

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

Client Sample ID: BG-3 (2')

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

Lab Sample ID: 880-48707-6

Matrix: Solid

Method: TAL SOP Total BTEX - To	tal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/22/24 18:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit D

Prepared Analyzed Dil Fac Total TPH <50.0 U 50.0 09/22/24 11:40 mg/Kg

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

Surrogate Analyzed 70 - 130 1-Chlorooctane 149 S1+ 09/21/24 17:33 09/22/24 11:40 o-Terphenyl 160 S1+ 70 - 130 09/21/24 17:33 09/22/24 11:40

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

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

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
	440		70 - 130				09/19/24 13:42	09/22/24 18:35	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte				MDI	Unit	n			
Method: TAL SOP Total BTEX	(- Total BTEX Cald			MDI	llo:4				
	(- Total BTEX Cald	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/22/24 18:35	Dil Fac
Method: TAL SOP Total BTEX Analyte	4 - Total BTEX Calc Result <0.00398 esel Range Organ	Qualifier U	RL 0.00398	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	4 - Total BTEX Calc Result <0.00398 esel Range Organ	Qualifier U	RL 0.00398	MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di	4 - Total BTEX Calc Result <0.00398 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg	_ =	Prepared	Analyzed 09/22/24 18:35	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte	4 - Total BTEX Calc Result <0.00398 esel Range Organ Result <49.7	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.7		mg/Kg	_ =	Prepared	Analyzed 09/22/24 18:35 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH	C - Total BTEX Calc Result <0.00398 esel Range Organ Result <49.7	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.7		mg/Kg Unit mg/Kg	_ =	Prepared	Analyzed 09/22/24 18:35 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - E	esel Range Organ Result 49.7 Diesel Range Orga Result Result Result Result Result Result Result Result Result	Qualifier U ics (DRO) (Qualifier U nics (DRO)	RL 0.00398 GC) RL 49.7	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/22/24 18:35 Analyzed 09/22/24 12:00	Dil Fac

Client Sample Results

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 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

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 Cl	hromatography - 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

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	
Toluene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:42	09/22/24 18:56	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:42	09/22/24 18:56	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/19/24 13:42	09/22/24 18:56	
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:42	09/22/24 18:56	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/19/24 13:42	09/22/24 18:56	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				09/19/24 13:42	09/22/24 18:56	
1,4-Difluorobenzene (Surr)	116		70 - 130				09/19/24 13:42	09/22/24 18:56	
Method: TAL SOP Total BTEX - 1	Total BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/22/24 18:56	
Analyte Total TPH	<50.2	Qualifier U	RL	- INDE	mg/Kg	<u>D</u>	Prepared	Analyzed 09/22/24 12:19	Dil Fa
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 12:19	,
Diesel Range Organics (Over C10-C28)	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 12:19	,
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/21/24 17:33	09/22/24 12:19	
							Prepared	Analyzed	Dil 5-
Surrogate	%Recovery	Qualifier	Limits						DII Fa
Surrogate 1-Chlorooctane			Limits 70 - 130				09/21/24 17:33	09/22/24 12:19	
	183						09/21/24 17:33 09/21/24 17:33		
1-Chlorooctane		S1+ S1+	70 - 130 70 - 130					09/22/24 12:19	
1-Chlorooctane o-Terphenyl	183 193 Chromatograp	S1+ S1+	70 - 130 70 - 130	MDL	Unit	<u>D</u>		09/22/24 12:19	Dil Fac

Job ID: 880-48707-1

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

Client Sample ID: BG-5 (0-1') Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-9 Matrix: Solid

Date Received: 09/19/24 11:40

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

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

RL

99.6

MDL Unit

mg/Kg

D

Prepared

Analyzed

09/20/24 18:47

Dil Fac

Result Qualifier

6660

Date Received: 09/19/24 11:40

Released to Imaging: 12/6/2024 1:53:02 PM

Analyte

Chloride

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

Client Sample Results

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

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

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

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:27	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
·	106 - Total BTEX Cald	culation	70 - 130				09/19/24 13:42	09/22/24 21:27	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	culation Qualifier	70 ₋ 130 RL	MDL	Unit	D	09/19/24 13:42 Prepared	09/22/24 21:27 Analyzed	
Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00398	Qualifier U	RL 0.00398	MDL		<u>D</u>		Analyzed	•
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <	Qualifier U	RL 0.00398			<u>D</u>		Analyzed	
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 09/22/24 21:27	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.9		mg/Kg		Prepared	Analyzed 09/22/24 21:27 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.9	MDL	mg/Kg		Prepared	Analyzed 09/22/24 21:27 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.9 iesel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO)	RL 0.00398 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/22/24 21:27 Analyzed 09/22/24 13:36	Dil Fac Dil Fac

Eurofins Midland

Matrix: Solid

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

Client Sample ID: BG-6 (2')

Client: Carmona Resources

Project/Site: Spill #2

Lab Sample ID: 880-48707-11

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

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 923 25.1 09/20/24 18:57 Chloride mg/Kg

Client Sample ID: BG-7 (0-1')

Lab Sample ID: 880-48707-12

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:47	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 Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 21:47	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)						
	Popult	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	IXL	MIDL	Oilit		riepaieu	Allalyzeu	Dil Fac

		70 - 130 70 - 130				09/21/24 17:33	09/22/24 13:55	
160	S1+	70 130				09/21/24 17:33	09/22/24 13:55	
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
<49.8	U	49.8		mg/Kg		09/21/24 17:33	09/22/24 13:55	
				0 0				
<49.8	U *- *1	49.8		mg/Kg		09/21/24 17:33	09/22/24 13:55	
<49.8	U *- *1	49.8		mg/Kg		09/21/24 17:33	09/22/24 13:55	
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
	Result <49.8 <49.8 <49.8 <49.8	Result Qualifier	Result Qualifier RL <49.8	<49.8	Result Qualifier RL MDL Unit <49.8	<49.8	Result Qualifier RL MDL Unit D Prepared <49.8	Result Qualifier RL Qualifier MDL Qualifier D Prepared Malyzed Analyzed <49.8 U*-*1

RL

251

MDL Unit

mg/Kg

Prepared

Result Qualifier

15700

Eurofins Midland

Analyzed

09/20/24 19:03

Analyte

Chloride

9/25/2024

Dil Fac

Job ID: 880-48707-1

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

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

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

Analyte Analyzed Total BTEX <0.00400 0.00400 mg/Kg 09/22/24 22:07

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 09/22/24 14:15 mg/Kg

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

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U *- *1	49.8	mg/Kg		09/21/24 17:33	09/22/24 14:15	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U *- *1	49.8	mg/Kg		09/21/24 17:33	09/22/24 14:15	1
C10-C28)								
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		09/21/24 17:33	09/22/24 14:15	1
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')

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

Lab Sample ID: 880-48707-14

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				09/19/24 13:42	09/22/24 22:28	1
1,4-Difluorobenzene (Surr)	115		70 - 130				09/19/24 13:42	09/22/24 22:28	1

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

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

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

Lab Sample ID: 880-48707-14

09/21/24 17:33

Matrix: Solid

09/22/24 14:33

Method: TAL SOP Total BTEX - Total	BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/22/24 22:28	1
Method: SW846 8015 NM - Diesel Ra	nge Organ	ics (DRO) (G	GC)						

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

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Dil Fac Analyte Prepared Analyzed <50.3 U *- *1 50.3 09/21/24 17:33 09/22/24 14:33 Gasoline Range Organics mg/Kg (GRO)-C6-C10 <50.3 U *- *1 50.3 Diesel Range Organics (Over mg/Kg 09/21/24 17:33 09/22/24 14:33 C10-C28) Oil Range Organics (Over C28-C36) <50.3 U 50.3 mg/Kg 09/21/24 17:33 09/22/24 14:33 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 09/21/24 17:33 70 - 130 1-Chlorooctane 143 S1+ 09/22/24 14:33

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride 990 24.8 mg/Kg 09/20/24 19:14

70 - 130

150 S1+

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

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:48	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
	- Total BTEX Cald	culation	70 - 700						
Method: TAL SOP Total BTEX Analyte		culation Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/22/24 22:48	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	<0.00399	Qualifier U	RL 0.00399	MDL		<u>D</u>	Prepared		
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	Result <0.00399 sel Range Organ	Qualifier U	RL 0.00399			D_	Prepared Prepared		1
Method: TAL SOP Total BTEX Analyte	Result <0.00399 sel Range Organ	Qualifier U	RL 0.00399		mg/Kg	<u> </u>		09/22/24 22:48	Dil Fac Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	Result <0.00399 sel Range Organ Result 69.2	Qualifier U ics (DRO) (Qualifier	RL 0.00399 GC) RL 50.4		mg/Kg	<u> </u>		09/22/24 22:48 Analyzed	1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	sel Range Organ Result 69.2 Resel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00399 GC) RL 50.4	MDL	mg/Kg	<u> </u>		09/22/24 22:48 Analyzed	1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	sel Range Organ Result 69.2 Resel Range Organ Result Result Result Result Result Result	Qualifier U ics (DRO) (Qualifier unics (DRO) Qualifier	RL 0.00399 GC) RL 50.4 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	09/22/24 22:48 Analyzed 09/22/24 14:53	Dil Fac

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

Client Sample ID: BG-8 (2')

Client: Carmona Resources

Project/Site: Spill #2

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

Lab Sample ID: 880-48707-15

Matrix: Solid

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC) (Continu	ied)				
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	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 Prepared Analyzed Dil Fac Chloride 1660 49.8 09/20/24 19:19 10 mg/Kg

Client Sample ID: BG-9 (0-1') Lab Sample ID: 880-48707-16

Date Received: 09/19/24 11:40

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

Analyte Result Qualifier Total TPH <49.7 U Method: SW846 8015B NM - Diesel Range Organics (DRO) (GOAnalyte Result Qualifier Gasoline Range Organics <49.7 U *- *1 (GRO)-C6-C10 U *- *1 U *- *1 Diesel Range Organics (Over C10-C28) <49.7 U *- *1 Oil Range Organics (Over C28-C36) <49.7 U Surrogate %Recovery Qualifier 1-Chlorooctane 158 S1+ o-Terphenyl 158 S1+	0.00202 0.00202 0.00202 0.00403 0.00202 0.00403 		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		09/19/24 13:42 09/19/24 13:42 09/19/24 13:42 09/19/24 13:42 09/19/24 13:42 09/19/24 13:42 Prepared	09/22/24 23:09 09/22/24 23:09 09/22/24 23:09 09/22/24 23:09 09/22/24 23:09 09/22/24 23:09	1 1 1 1 1 1
Ethylbenzene	0.00202 0.00403 0.00202 0.00403 Limits 70 - 130		mg/Kg mg/Kg mg/Kg		09/19/24 13:42 09/19/24 13:42 09/19/24 13:42 09/19/24 13:42	09/22/24 23:09 09/22/24 23:09 09/22/24 23:09 09/22/24 23:09	
m-Xylene & p-Xylene	0.00403 0.00202 0.00403 Limits 70 - 130		mg/Kg mg/Kg		09/19/24 13:42 09/19/24 13:42 09/19/24 13:42	09/22/24 23:09 09/22/24 23:09 09/22/24 23:09	
o-Xylene	0.00202 0.00403 Limits 70 - 130		mg/Kg		09/19/24 13:42 09/19/24 13:42	09/22/24 23:09 09/22/24 23:09	
Surrogate	0.00403 Limits 70 - 130 70 - 130				09/19/24 13:42	09/22/24 23:09	
Surrogate %Recovery Qualifier	Limits 70 - 130 70 - 130 RL		mg/Kg				
4-Bromofiluorobenzene (Surr) 119 1,4-Difluorobenzene (Surr) 116 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier Total BTEX <0.00403	70 - 130 70 - 130 RL				Prepared		
1,4-Difluorobenzene (Surr)	70 - 130 RL				•	Analyzed	Dil Fa
Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier Total BTEX <0.00403 U Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier Total TPH <49.7 U Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier Gasoline Range Organics (A9.7 U*-*1 GGRO)-C6-C10 Diesel Range Organics (Over C49.7 U*-*1 C10-C28) Oil Range Organics (Over C28-C36) <49.7 U Surrogate %Recovery Qualifier 1-Chlorooctane 158 S1+ 0-Terphenyl 158 S1+	RL	•••			09/19/24 13:42	09/22/24 23:09	
Result Qualifier Co.00403 U					09/19/24 13:42	09/22/24 23:09	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier Total TPH C49.7 U							
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier Total TPH <49.7	0.00403	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte Result Qualifier Total TPH <49.7	0.00403		mg/Kg			09/22/24 23:09	
Analyte Result Qualifier Gasoline Range Organics <49.7 U *- *1 (GRO)-C6-C10 U *- *1 U *- *1 Diesel Range Organics (Over <49.7 U *- *1 C10-C28) Oil Range Organics (Over C28-C36) <49.7 U Surrogate %Recovery Qualifier 1-Chlorooctane 158 S1+ o-Terphenyl 158 S1+	49.7		mg/Kg		Prepared	Analyzed 09/22/24 15:11	
Analyte Result Qualifier Gasoline Range Organics <49.7 U *- *1 (GRO)-C6-C10 U *- *1 U *- *1 Diesel Range Organics (Over <49.7 U *- *1 C10-C28) Oil Range Organics (Over C28-C36) <49.7 U Surrogate %Recovery Qualifier 1-Chlorooctane 158 S1+ o-Terphenyl 158 S1+			g/g			00/22/21 10.11	
Gasoline Range Organics <49.7 U *- *1				_			B.: E
(GRO)-C6-C10 Diesel Range Organics (Over <49.7	RL	MDL		D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (Over <49.7 U*-*1	49.7		mg/Kg		09/21/24 17:33	09/22/24 15:11	
Surrogate %Recovery Qualifier 1-Chlorooctane 158 S1+ o-Terphenyl 158 S1+	49.7		mg/Kg		09/21/24 17:33	09/22/24 15:11	
1-Chlorooctane 158 S1+ o-Terphenyl 158 S1+	49.7		mg/Kg		09/21/24 17:33	09/22/24 15:11	
1-Chlorooctane 158 S1+ o-Terphenyl 158 S1+	_imits				Dramavad	Analyzad	D# 5-
o-Terphenyl 158 S1+					Prepared 09/21/24 17:33	Analyzed 09/22/24 15:11	Dil Fa
					09/21/24 17:33	09/22/24 15:11	
Mathed EDA 000 0 Autors for Observations 1 - 0 1 1 1	70 - 130				33.21.21 11.00	33.22.27.13.11	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble							
Analyte Result Qualifier Chloride 2220 F1	70 - 130		Unit	D	Prepared	Analyzed 09/20/24 22:03	Dil Fac

Client Sample Results

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

Client Sample ID: BG-9 (2')

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

Total BTEX

Lab Sample ID: 880-48707-17

Analyzed

09/22/24 23:29

Analyzed

Prepared

Prepared

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:29	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

<0.00398

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

motriou. Offo-to out of this Diccool	rtango Organios (Bito) (Oo	•					
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

0.00398

mg/Kg

MDL Unit

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier <50.2 U *- *1 Gasoline Range Organics

50.2 mg/Kg 09/21/24 17:33 09/22/24 15:32 (GRO)-C6-C10 Diesel Range Organics (Over <50.2 U *- *1 50.2 mg/Kg 09/21/24 17:33 09/22/24 15:32 C10-C28) Oil Range Organics (Over C28-C36) <50.2 U 50.2 mg/Kg 09/21/24 17:33 09/22/24 15:32

RL

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 25.1 09/20/24 22:29 Chloride 1370 mg/Kg

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	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				09/19/24 13:42	09/22/24 23:50	1
1,4-Difluorobenzene (Surr)	113		70 - 130				09/19/24 13:42	09/22/24 23:50	1

Eurofins Midland

Dil Fac

Dil Fac

Client Sample Results

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

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

09/23/24 12:59

Matrix: Solid

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00398	U	0.00398		mg/Kg			09/22/24 23:50	1
el Range Organ	ics (DRO) (GC)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<50.4	U	50.4		mg/Kg			09/22/24 15:51	1
sel Range Orga	nics (DRO)	(GC)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<50.4	U *- *1	50.4		mg/Kg		09/21/24 17:33	09/22/24 15:51	1
<50.4	U *- *1	50.4		mg/Kg		09/21/24 17:33	09/22/24 15:51	1
<50.4	U	50.4		mg/Kg		09/21/24 17:33	09/22/24 15:51	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
154	S1+	70 - 130				09/21/24 17:33	09/22/24 15:51	1
154	S1+	70 - 130				09/21/24 17:33	09/22/24 15:51	1
	Range Organ Result	Result Qualifier	Range Organics (DRO) (GC) Result Qualifier RL	Range Organics (DRO) (GC) Result Qualifier RL MDL	Result Qualifier RL MDL Unit mg/Kg	Result Qualifier RL MDL Unit D mg/Kg	Result Qualifier RL MDL Unit D Prepared	Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Analyzed

Client Sample ID: BG-10 (2') Lab Sample ID: 880-48707-19 **Matrix: Solid**

101

mg/Kg

6460

Date Collected: 09/13/24 00:00

Chloride

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:10	-
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:10	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:10	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 13:42	09/23/24 00:10	
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:10	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 13:42	09/23/24 00:10	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				09/19/24 13:42	09/23/24 00:10	
1,4-Difluorobenzene (Surr)	112		70 - 130				09/19/24 13:42	09/23/24 00:10	
Method: TAL SOP Total BTEX	- Total BTEX Cald			MDI	Unit	n			
Method: TAL SOP Total BTEX	- Total BTEX Cald								
- '	- Total BTEX Cald	Qualifier	RL 0.00404	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/23/24 00:10	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00404	Qualifier U	RL 0.00404	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U	RL 0.00404	MDL MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00404		mg/Kg		Prepared	Analyzed 09/23/24 00:10	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00404 esel Range Organ Result <50.5	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 50.5		mg/Kg		Prepared	Analyzed 09/23/24 00:10 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00404 esel Range Organ Result <50.5	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 50.5	MDL	mg/Kg		Prepared	Analyzed 09/23/24 00:10 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00404 esel Range Organ Result <50.5 diesel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO)	RL 0.00404 GC) RL 50.5	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/23/24 00:10 Analyzed 09/22/24 16:11	Dil Fa
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics	- Total BTEX Calc Result <0.00404 esel Range Organ Result <50.5 diesel Range Orga Result <50.5	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00404 GC) RL 50.5 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	Analyzed 09/23/24 00:10 Analyzed 09/22/24 16:11 Analyzed	Dil Fac

Job ID: 880-48707-1

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

Client Sample ID: BG-10 (2') Lab Sample ID: 880-48707-19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:33	09/22/24 16:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				09/21/24 17:33	09/22/24 16:11	1
o-Terphenyl	151	S1+	70 - 130				09/21/24 17:33	09/22/24 16:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	MDL U	nit D	Prepared	Analyzed	Dil Fac
	Chloride	5340	99.6	m	g/Kg		09/20/24 22:47	20

Lab Sample ID: 880-48707-20 Client Sample ID: BG-11 (0-1')

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

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier Analyte MDL Unit Prepared Analyzed Dil Fac Benzene <0.00202 U 0.00202 09/19/24 13:42 09/23/24 00:31 mg/Kg Toluene <0.00202 U 0.00202 09/19/24 13:42 09/23/24 00:31 mg/Kg Ethylbenzene <0.00202 U 0.00202 mg/Kg 09/19/24 13:42 09/23/24 00:31 m-Xylene & p-Xylene <0.00403 U 0.00403 09/19/24 13:42 09/23/24 00:31 mg/Kg o-Xylene <0.00202 U 0.00202 mg/Kg 09/19/24 13:42 09/23/24 00:31 <0.00403 U Xylenes, Total 0.00403 mg/Kg 09/19/24 13:42 09/23/24 00:31 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 4-Bromofluorobenzene (Surr) 142 S1+ 70 - 130 09/19/24 13:42 09/23/24 00:31 1,4-Difluorobenzene (Surr) 124 70 - 130 09/19/24 13:42 09/23/24 00:31

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 Rang	je Organ	ics (DRO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/22/24 16:30	1
	_								

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

Eurofins Midland

Job ID: 880-48707-1

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

Client Sample ID: BG-11 (2')

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

Lab Sample ID: 880-48707-21

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/20/24 23:27	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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00404 0.00404 mg/Kg 09/20/24 23:27

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 09/22/24 18:07 49.8 mg/Kg

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

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

Client Sample ID: BG-12 (0-1') Lab Sample ID: 880-48707-22

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

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

Eurofins Midland

Matrix: Solid

Client Sample ID: BG-12 (0-1')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Dil Fac

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

Lab Sample ID: 880-48707-22

Matrix: Solid

Method: TAL SOP Total BTEX - Tot	tal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/20/24 23:48

Method: SW846 8015 NM - Diesel F	Range Organi	ics (DRO) (0	SC)						
Analyte	Result	Qualifier	RL	MDL U	nit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	m	g/Kg			09/22/24 19:04	1

_	-00.0	J	00.0		mg/rtg			00/22/21 10:01	•
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 19:04	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.5	U *+	50.5		mg/Kg		09/21/24 17:36	09/22/24 19:04	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				09/21/24 17:36	09/22/24 19:04	1
o-Terphenvl	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

Released to Imaging: 12/6/2024 1:53:02 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/19/24 13:45	09/21/24 00:08	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX			70 - 130				09/19/24 13:45	09/21/24 00:08	
- '	- Total BTEX Cald	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	09/19/24 13:45 Prepared	09/21/24 00:08 Analyzed 09/21/24 00:08	•
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00403	Qualifier U	RL 0.00403	MDL	Unit mg/Kg	<u>D</u>		Analyzed	•
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Dies	- Total BTEX Calc Result <	Qualifier U	RL 0.00403			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <	Qualifier U ics (DRO) (Qualifier	RL 0.00403		mg/Kg		Prepared	Analyzed 09/21/24 00:08	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die: Analyte	- Total BTEX Calc Result <0.00403 sel Range Organ Result <49.7	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 GC) RL 49.7		mg/Kg		Prepared	Analyzed 09/21/24 00:08	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Diese	- Total BTEX Calc Result <0.00403 sel Range Organ Result <49.7 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 GC) RL 49.7		mg/Kg Unit mg/Kg		Prepared	Analyzed 09/21/24 00:08	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die: Analyte Total TPH	- Total BTEX Calc Result <0.00403 sel Range Organ Result <49.7 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00403 GC) RL 49.7	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 00:08 Analyzed 09/22/24 19:23	Dil Fac

Job ID: 880-48707-1

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

Lab Sample ID: 880-48707-23

Client Sample ID: BG-12 (2') Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC) (Continu	ıed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<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 Cl	hromatography	- Soluble					
Analyte	Result Qu	ualifier 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

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	09/19/24 13:4	5 09/21/24 00:29	1
1,4-Difluorobenzene (Surr)	78		70 - 130	09/19/24 13:4	5 09/21/24 00:29	1
_						

Method: IAL SOP Total BTEX - Tot	al BIEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 00:29	1

Method: SW846 8015 NM - Diesel R	ange Organics (DRO) (C	iC)					
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
_							

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/22/24 19:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U *+	49.9		mg/Kg		09/21/24 17:36	09/22/24 19:44	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/22/24 19:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	165	S1+	70 - 130				09/21/24 17:36	09/22/24 19:44	1
o-Terphenvl	175	S1+	70 - 130				09/21/24 17:36	09/22/24 19:44	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9590		249		mg/Kg			09/20/24 23:48	50

Job ID: 880-48707-1

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

Client Sample ID: BG-13 (2') Lab Sample ID: 880-48707-25 Date Collected: 09/13/24 00:00 Matrix: Solid

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
Toluene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				09/19/24 13:45	09/21/24 00:50	1
1,4-Difluorobenzene (Surr)	88		70 - 130				09/19/24 13:45	09/21/24 00:50	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 00:50	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)		3 3				
	•	ics (DRO) (GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	•	Qualifier	•	MDL		D	Prepared	Analyzed 09/22/24 20:03	
Analyte Total TPH	Result <50.0	Qualifier U	RL 50.0	MDL	Unit	<u>D</u>	Prepared		
Analyte Total TPH : Method: SW846 8015B NM - Dies	Result <50.0	Qualifier U	RL 50.0		Unit	D_	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <50.0 sel Range Orga Result	Qualifier Unics (DRO) Qualifier	RL 50.0		Unit mg/Kg		<u> </u>	09/22/24 20:03	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.0	Qualifier Unics (DRO) Qualifier	RL 50.0		Unit mg/Kg		Prepared	09/22/24 20:03 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 50.0		Unit mg/Kg		Prepared	09/22/24 20:03 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U nics (DRO) Qualifier U U *+	RL 50.0 (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:36 09/21/24 17:36	09/22/24 20:03 Analyzed 09/22/24 20:03 09/22/24 20:03	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U U *+	RL		Unit mg/Kg Unit mg/Kg		Prepared 09/21/24 17:36	09/22/24 20:03 Analyzed 09/22/24 20:03	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U *+ U Qualifier	RL		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36 Prepared	09/22/24 20:03 Analyzed 09/22/24 20:03 09/22/24 20:03 09/22/24 20:03 Analyzed	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result <50.0	Qualifier U nics (DRO) Qualifier U U *+	RL 50.0 (GC) RL 50.0 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36	09/22/24 20:03 Analyzed 09/22/24 20:03 09/22/24 20:03 09/22/24 20:03	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U nics (DRO) Qualifier U U *+ U Qualifier	RL		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36 Prepared	09/22/24 20:03 Analyzed 09/22/24 20:03 09/22/24 20:03 09/22/24 20:03 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U U*+ U Qualifier S1+ S1+	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36 Prepared 09/21/24 17:36	09/22/24 20:03 Analyzed 09/22/24 20:03 09/22/24 20:03 09/22/24 20:03 Analyzed 09/22/24 20:03	1 Dil Fac
	Result	Qualifier U nics (DRO) Qualifier U U*+ U Qualifier S1+ S1+	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 09/21/24 17:36 09/21/24 17:36 09/21/24 17:36 Prepared 09/21/24 17:36	09/22/24 20:03 Analyzed 09/22/24 20:03 09/22/24 20:03 09/22/24 20:03 Analyzed 09/22/24 20:03	1 Dil Fac

Client Sample ID: BG-14 (0-1') Lab Sample ID: 880-48707-26

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

Method: SW846 8021B - Volati	•	• •)						
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

Eurofins Midland

Matrix: Solid

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: BG-14 (0-1')

Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40 Lab Sample ID: 880-48707-26

Matrix: Solid

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 Organ	ics (DRO) (G	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Diese	<50.3 el Range Orga		50.3 (GC)		mg/Kg			09/22/24 20:23	1
Total TPH Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO)	(GC)	MDI			Prepared		Dil Fac
Total TPH Method: SW846 8015B NM - Diese Analyte	el Range Orga Result	nics (DRO) Qualifier	(GC)	MDL	Unit	<u>D</u>	Prepared 09/21/24 17:36	Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Orga	nics (DRO) Qualifier	(GC)	MDL		<u>D</u>	Prepared 09/21/24 17:36		Dil Fac
Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Orga Result	nics (DRO) Qualifier	(GC)	MDL	Unit	<u>D</u>		Analyzed	1 Dil Fac 1
Total TPH Method: SW846 8015B NM - Diese Analyte	Range Orga Result <50.3	nics (DRO) Qualifier	(GC) RL 50.3	MDL	Unit mg/Kg	<u>D</u>	09/21/24 17:36	Analyzed 09/22/24 20:23	Dil Fac 1

%Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 161 S1+ 70 - 130 09/21/24 17:36 09/22/24 20:23 1-Chlorooctane o-Terphenyl 171 S1+ 70 - 130 09/21/24 17:36 09/22/24 20:23

Method: EPA 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride3230F149.6mg/Kg09/21/24 00:0510

Client Sample ID: BG-14 (2')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-27

Matrix: Solid

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 01:31	
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 01:31	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 01:31	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 01:31	
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 01:31	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 01:31	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	85		70 - 130				09/19/24 13:45	09/21/24 01:31	
			70 - 130				09/19/24 13:45	09/21/24 01:31	
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	70 - 130 RL 0.00398	MDL	Unit mg/Kg	<u>D</u>	09/19/24 13:45 Prepared	09/21/24 01:31 Analyzed 09/21/24 01:31	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald Result <0.00398	Qualifier U	RL 0.00398	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Cald Result <	Qualifier U	RL 0.00398			<u>D</u>		Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Cald Result <	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 09/21/24 01:31	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 sel Range Organ Result <50.1	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 50.1		mg/Kg		Prepared	Analyzed 09/21/24 01:31 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 sel Range Organ Result <50.1	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 50.1	MDL	mg/Kg		Prepared	Analyzed 09/21/24 01:31 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00398 sel Range Organ Result <50.1	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00398 GC) RL 50.1	MDL	mg/Kg Unit mg/Kg		Prepared Prepared	Analyzed 09/21/24 01:31 Analyzed 09/22/24 20:42	Dil Fa

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

Client Sample ID: BG-14 (2')

Lab Sample ID: 880-48707-27 Date Collected: 09/13/24 00:00 Matrix: Solid Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/21/24 17:36	09/22/24 20:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				09/21/24 17:36	09/22/24 20:42	1
o-Terphenyl	158	S1+	70 ₋ 130				09/21/24 17:36	09/22/24 20:42	1

Method: EPA 300.0 - Anions, Ion Cl	hromatography - So	oluble					
Analyte	Result Qualifie	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2670	25.3	mg/K	g		09/21/24 00:32	5

Client Sample ID: BG-15 (0-1')

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:45	09/21/24 01:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:45	09/21/24 01:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:45	09/21/24 01:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/19/24 13:45	09/21/24 01:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:45	09/21/24 01:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/19/24 13:45	09/21/24 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				09/19/24 13:45	09/21/24 01:51	1
1,4-Difluorobenzene (Surr)	74		70 - 130				09/19/24 13:45	09/21/24 01:51	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/21/24 01:51	1

		-			99			****	•
Method: SW846 8015 NM - Diesel Rang	e Organ	ics (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 Ran	ge Orga	nics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Result	Qualifier	KL	MDL	Unit	D	Prepared	Anaiyzed	DII Fac
<50.4	U	50.4		mg/Kg		09/21/24 17:36	09/22/24 21:01	1
<50.4	U *+	50.4		mg/Kg		09/21/24 17:36	09/22/24 21:01	1
<50.4	U	50.4		mg/Kg		09/21/24 17:36	09/22/24 21:01	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
167	S1+	70 - 130				09/21/24 17:36	09/22/24 21:01	1
180	S1+	70 - 130				09/21/24 17:36	09/22/24 21:01	1
	<50.4 <50.4 <50.4 %Recovery	Result Qualifier <50.4	<50.4 U *+ 50.4 <50.4 U *+ 50.4 <50.4 U 50.4 **Recovery Qualifier Limits 70 - 130	<50.4 U *+ 50.4 <50.4 U *+ 50.4 <50.4 U 50.4 **Recovery Qualifier Limits 167 S1+ 70 - 130	<50.4	<50.4	<50.4	<50.4

Method: EPA 300.0 - Anions, Ion C	hromatography - Solu	uble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090	5.01	mg/K	g		09/21/24 00:40	1

Eurofins Midland

Lab Sample ID: 880-48707-28

Matrix: Solid

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

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

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 Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte Result Qualifier MDL Unit

Total BTEX <0.00399 U 0.00399 mg/Kg 09/21/24 02:12

-	Method: 344046 6015 MM - Diesei	Kange Organi	ics (DKO) (GC)							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prep	ared A	Analyzed	Dil Fac
	Total TPH	<50.5	U	50.5		mg/Kg			09/2	22/24 21:21	1

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	<50.5	U *+	50.5	mg/Kg		09/21/24 17:36	09/22/24 21:21	1
C10-C28) 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 Ch	romatograp	hy - 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

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

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

Project/Site: Spill #2 Client Sample ID: BG-16 (0-1')

Client: Carmona Resources

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

Lab Sample ID: 880-48707-30

Matrix: Solid

09/21/24 01:15

Matrix: Solid

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 - Diese	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/22/24 21:40	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		09/21/24 17:36	09/22/24 21:40	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U *+	49.7		mg/Kg		09/21/24 17:36	09/22/24 21:40	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:36	09/22/24 21:40	1
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	Chromatogran	hv - Solubl	•						
Medica. LFA 300.0 - Amons, lon	om omatograp	niy - Julubi	-						

5.04 Client Sample ID: BG-16 (2') Lab Sample ID: 880-48707-31

mg/Kg

579

Date Collected: 09/13/24 00:00

Chloride

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	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
·	76 - Total BTEX Cald	culation	70 - 130				09/19/24 13:45	09/21/24 03:57	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation Qualifier	70 ₋ 130 RL	MDL	Unit	D	09/19/24 13:45 Prepared	09/21/24 03:57 Analyzed	
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00398	Qualifier U	RL 0.00398	MDL		<u>D</u>		Analyzed	
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <	Qualifier U	RL 0.00398			<u>D</u>		Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 09/21/24 03:57	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.7		mg/Kg		Prepared	Analyzed 09/21/24 03:57 Analyzed	
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.7	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.7		mg/Kg Unit mg/Kg		Prepared	Analyzed 09/21/24 03:57 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.7	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00398 GC) RL 49.7	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 03:57 Analyzed 09/22/24 22:19	Dil Fac

Job ID: 880-48707-1

Client: Carmona Resources Project/Site: Spill #2 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

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 C	hromatograp	hy - 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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199		0.00199		mg/Kg	<u>-</u>	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
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	84	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F

Analyte	Result Qua	illier RL	MDL Unit	U	Prepared	Analyzed	DII Fac	
Total BTEX	<0.00398 U	0.00398	mg/Kg	,		09/21/24 04:17	1	
Method: SW846 8015 NM - Diesel F	Range Organics (DRO) (GC)						
Analyte	Result Qua	lifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	

• • •									
Total TPH	<49.7	U	49.7		mg/Kg			09/22/24 22:38	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		09/21/24 17:36	09/22/24 22:38	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U *+	49.7		mg/Kg		09/21/24 17:36	09/22/24 22:38	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:36	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 C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.7	5.04	mg/Kg			09/21/24 01:33	1

Job ID: 880-48707-1

Client: Carmona Resources Project/Site: Spill #2 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

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	
1,4-Difluorobenzene (Surr)	92		70 - 130				09/19/24 13:45	09/21/24 04:38	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/21/24 04:38	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte	•	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 - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 22:58	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U *+	50.0		mg/Kg		09/21/24 17:36	09/22/24 22:58	1
C10-C28)	50.0		50.0				00/04/04 47 00	00/00/04 00 50	
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		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
o-respinentyi -									
Section (Control of the Control of t		hv - Solub	le						

Client Sample ID: BG-18 (0-1') Lab Sample ID: 880-48707-34

6.21

4.96

mg/Kg

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

Chloride

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

Eurofins Midland

09/21/24 01:41

Matrix: Solid

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

Client Sample ID: BG-18 (0-1')

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

Lab Sample ID: 880-48707-34

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/21/24 04:59	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/22/24 23:17	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.2	U	50.2		mg/Kg		09/21/24 17:36	09/22/24 23:17	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.2	U *+	50.2		mg/Kg		09/21/24 17:36	09/22/24 23:17	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/21/24 17:36	09/22/24 23:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				09/21/24 17:36	09/22/24 23:17	
o-Terphenyl	148	S1+	70 - 130				09/21/24 17:36	09/22/24 23:17	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	• .	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

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 05:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 05:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 05:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:45	09/21/24 05:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 05:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:45	09/21/24 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				09/19/24 13:45	09/21/24 05:19	1
1,4-Difluorobenzene (Surr)	90		70 - 130				09/19/24 13:45	09/21/24 05:19	1

Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	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

Matrix: Solid

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 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 - Dies	sel Range Orga	nics (DRO)	(GC) (Continu	ıed)					
Analyte	Result	Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	r	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 Qualifie	er 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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 05:40	
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 05:40	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 05:40	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 05:40	
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 05:40	
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 05:40	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	83	-	70 - 130				09/19/24 13:45	09/21/24 05:40	-
1,4-Difluorobenzene (Surr)	75		70 - 130				09/19/24 13:45	09/21/24 05:40	
- Method: TAL SOP Total BTEX - T	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/21/24 05:40	-
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (0	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	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 23:55	
5 5	100.0	_	00.0						
(GRO)-C6-C10 Diesel Range Organics (Over	<50.5		50.5		mg/Kg		09/21/24 17:36	09/22/24 23:55	,
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)		U *+			mg/Kg		09/21/24 17:36 09/21/24 17:36		
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<50.5	U *+	50.5					09/22/24 23:55	,
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	<50.5 <50.5	U *+	50.5 50.5				09/21/24 17:36	09/22/24 23:55 09/22/24 23:55	Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.5 <50.5 %Recovery 146	U *+ U Qualifier	50.5 50.5 <i>Limits</i>				09/21/24 17:36 Prepared	09/22/24 23:55 09/22/24 23:55 <i>Analyzed</i>	Dil Fa
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion	<50.5 <50.5 %Recovery 146 149	U *+ U Qualifier S1+ S1+	50.5 50.5 Limits 70 - 130 70 - 130				09/21/24 17:36 Prepared 09/21/24 17:36	09/22/24 23:55 09/22/24 23:55 Analyzed 09/22/24 23:55	Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.5 <50.5 **Recovery 146 149 Chromatograp	U *+ U Qualifier S1+ S1+	50.5 50.5 Limits 70 - 130 70 - 130	MDL		D	09/21/24 17:36 Prepared 09/21/24 17:36	09/22/24 23:55 09/22/24 23:55 Analyzed 09/22/24 23:55	Dil Fac

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

Client Sample ID: BG-19 (2')

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

Lab Sample ID: 880-48707-37

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				09/19/24 13:45	09/21/24 06:00	1
1,4-Difluorobenzene (Surr)	84		70 - 130				09/19/24 13:45	09/21/24 06:00	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	П	0.00398		mg/Kg			09/21/24 06:00	

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 09/23/24 00:14 50.5 mg/Kg

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	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
l	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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				09/19/24 13:45	09/21/24 06:21	1
1,4-Difluorobenzene (Surr)	80		70 - 130				09/19/24 13:45	09/21/24 06:21	1

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

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

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

Lab Sample ID: 880-48707-38

09/21/24 04:22

Matrix: Solid

•	ics (DRO) (0.00398		mg/Kg			09/21/24 06:21	1
•	ics (DRO) (
Regult		GC)						
Nesuit	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0		mg/Kg			09/23/24 00:33	1
ige Orga	nics (DRO)	(GC)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:33	1
<50.0	U *+	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:33	1
<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:33	1
Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
172	S1+	70 - 130				09/21/24 17:36	09/23/24 00:33	1
180	S1+	70 - 130				09/21/24 17:36	09/23/24 00:33	1
	<50.0 <50.0	Result Qualifier <50.0	<50.0 U	Result Qualifier RL MDL <50.0	Result Qualifier RL MDL Unit <50.0	Result Qualifier RL MDL Unit D <50.0	Result Qualifier RL MDL unit mg/Kg D mg/Kg Prepared 09/21/24 17:36 <50.0	Result Qualifier RL MDL mg/Kg D mg/Kg Prepared 09/21/24 17:36 Analyzed 09/23/24 00:33 <50.0

Client Sample ID: BG-20 (2') Lab Sample ID: 880-48707-39 **Matrix: Solid**

101

mg/Kg

6870

Date Collected: 09/13/24 00:00

Chloride

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	•
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	,
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 13:45	09/21/24 06:42	
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 13:45	09/21/24 06:42	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	89		70 - 130				09/19/24 13:45	09/21/24 06:42	1
1,4-Difluorobenzene (Surr)	83		70 ₋ 130				09/19/24 13:45	09/21/24 06:42	-
Method: TAL SOP Total BTEX	- Total BTEX Cald			MDI	Unit	D			
		culation	70 - 130				09/19/24 13.45	09/21/24 00.42	
	- Total BTEX Cald	Qualifier	RL 0.00404	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/21/24 06:42	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00404	Qualifier U	RL 0.00404	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U	RL 0.00404			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00404		mg/Kg		Prepared	Analyzed 09/21/24 06:42	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <- 0.00404 esel Range Organ Result <- 50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 50.0		mg/Kg		Prepared	Analyzed 09/21/24 06:42 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00404 esel Range Organ Result <50.0 diesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 50.0		mg/Kg Unit mg/Kg		Prepared	Analyzed 09/21/24 06:42 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00404 esel Range Organ Result <50.0 diesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00404 GC) RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 06:42 Analyzed 09/23/24 00:53	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics	- Total BTEX Calc Result <0.00404 esel Range Organ Result <50.0 diesel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U	RL 0.00404 GC) RL 50.0 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	Analyzed 09/21/24 06:42 Analyzed 09/23/24 00:53 Analyzed	Dil Fa

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

Client: Carmona Resources Project/Site: Spill #2

Client Sample ID: BG-20 (2')

Lab Sample ID: 880-48707-39

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 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 Cl	hromatograp	hy - 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

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

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 - Tot	al BTFX Calculation				

moundar mar our rotal branch	otal Bilbit Gallacion	•					
Analyte	Result Qualifie	er 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	Organ	ics (DRO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/23/24 01:13	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/23/24 01:13	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U *+	49.9		mg/Kg		09/21/24 17:36	09/23/24 01:13	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/23/24 01:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				09/21/24 17:36	09/23/24 01:13	
o-Terphenyl	149	S1+	70 - 130				09/21/24 17:36	09/23/24 01:13	

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

Client: Carmona Resources Job ID: 880-48707-1 Project/Site: Spill #2 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

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)			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 Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/20/24 22:45	1
Analyte Total TPH	Result <49.7	Qualifier U	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
			49.7		mg/Kg			09/22/24 22:38	1
- Method: SW846 8015B NM - Die	sal Ranga Orga				mg/Kg			09/22/24 22:38	1
Method: SW846 8015B NM - Die	•	nics (DRO)	(GC)	MDI		n	Prepared		·
Analyte	Result	nics (DRO) Qualifier	(GC)	MDL	Unit	<u>D</u>	Prepared 09/21/24 17:28	Analyzed	Dil Fac
Analyte Gasoline Range Organics	•	nics (DRO) Qualifier	(GC)	MDL		<u>D</u>	Prepared 09/21/24 17:28		Dil Fac
Analyte	Result	Qualifier	(GC)	MDL	Unit	<u>D</u>	<u>.</u>	Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.7	Qualifier	(GC) RL 49.7	MDL	Unit mg/Kg	<u>D</u>	09/21/24 17:28	Analyzed 09/22/24 22:38	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.7	Qualifier U	(GC) RL 49.7	MDL	Unit mg/Kg	<u>D</u>	09/21/24 17:28	Analyzed 09/22/24 22:38	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.7	Qualifier U Qualifier	(GC) RL 49.7	MDL	Unit mg/Kg mg/Kg	<u> </u>	09/21/24 17:28 09/21/24 17:28	Analyzed 09/22/24 22:38	Dil Fac 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <49.7 <49.7 <49.7	Qualifier U	(GC) RL 49.7 49.7 49.7	MDL	Unit mg/Kg mg/Kg	<u> </u>	09/21/24 17:28 09/21/24 17:28 09/21/24 17:28	Analyzed 09/22/24 22:38 09/22/24 22:38 09/22/24 22:38	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U Qualifier	(GC) RL 49.7 49.7 49.7 Limits	MDL	Unit mg/Kg mg/Kg	<u> </u>	09/21/24 17:28 09/21/24 17:28 09/21/24 17:28 Prepared	Analyzed 09/22/24 22:38 09/22/24 22:38 09/22/24 22:38 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U U Qualifier S1+ S1+	(GC) RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	09/21/24 17:28 09/21/24 17:28 09/21/24 17:28 Prepared 09/21/24 17:28	Analyzed 09/22/24 22:38 09/22/24 22:38 09/22/24 22:38 Analyzed 09/22/24 22:38	Dil Face
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U Qualifier S1+ S1+	(GC) RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	09/21/24 17:28 09/21/24 17:28 09/21/24 17:28 Prepared 09/21/24 17:28	Analyzed 09/22/24 22:38 09/22/24 22:38 09/22/24 22:38 Analyzed 09/22/24 22:38	Dil Fac Dil Fac Dil Fac Dil Fac Dil Fac

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

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

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48707-1

SDG: Eddy County. New Mexico

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

Date Received: 09/19/24 11:40

Chloride

Lab Sample ID: 880-48707-42 Date Collected: 09/13/24 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/20/24 23:05	1
- Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/22/24 22:58	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/21/24 17:28	09/22/24 22:58	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/21/24 17:28	09/22/24 22:58	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:28	09/22/24 22:58	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	Chromatogran	hv - Solubl	•						
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: BG-22 (2') Lab Sample ID: 880-48707-43

99.4

mg/Kg

Date Collected: 09/13/24 00:00

Released to Imaging: 12/6/2024 1:53:02 PM

3290

Matrix: Solid

09/21/24 05:02

Date Received: 09/19/24 11:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 23:26	
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				09/19/24 13:47	09/20/24 23:26	1
			70 - 130				09/19/24 13:47	09/20/24 23:26	
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	09/19/24 13:47 Prepared	Analyzed	·
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00403	Qualifier U	RL 0.00403	MDL	Unit mg/Kg	<u>D</u>			·
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00403 sel Range Organ	Qualifier U	RL 0.00403			D_		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald Result <0.00403 sel Range Organ	Qualifier U ics (DRO) (Gualifier	RL 0.00403		mg/Kg	<u> </u>	Prepared	Analyzed 09/20/24 23:26	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00403 sel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 ——————————————————————————————————		mg/Kg	<u> </u>	Prepared	Analyzed 09/20/24 23:26 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00403 sel Range Organ Result <50.0 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 ——————————————————————————————————	MDL	mg/Kg	<u> </u>	Prepared	Analyzed 09/20/24 23:26 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00403 sel Range Organ Result <50.0 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U inics (DRO) Qualifier	RL 0.00403 GC) RL 50.0	MDL	mg/Kg Unit mg/Kg	<u></u>	Prepared Prepared	Analyzed 09/20/24 23:26 Analyzed 09/22/24 23:17	Dil Fac

Client: Carmona Resources

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

Project/Site: Spill #2

Lab Sample ID: 880-48707-43

Matrix: Solid

Client Sample ID: BG-22 (2')

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

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC) (Continu	ıed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	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 C	hromatograp	hy - 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')

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

Lab Sample ID: 880-48707-44 **Matrix: Solid**

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	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	Organ	ics (DRO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/22/24 23:36	1
Method: SW846 8015B NM - Diesel Rang Analyte		nics (DRO) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

		(- /	\ - /						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		09/21/24 17:28	09/22/24 23:36	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/21/24 17:28	09/22/24 23:36	1
C10-C28)									
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

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2440	99.0	mg/Kg			09/21/24 05:16	20

70 - 130

125

Eurofins Midland

o-Terphenyl

Job ID: 880-48707-1

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

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**

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

Method: SW846 8015 NM - Diesel Ra	ange Organi	ics (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 - Dies	sel Range Orga	nics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		09/21/24 17:28	09/22/24 23:55	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U	49.6	I	mg/Kg		09/21/24 17:28	09/22/24 23:55	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	1	mg/Kg		09/21/24 17:28	09/22/24 23:55	1
0	0/ 0	O 1:6:	1 : : 4				D	A II	D# E

Surrogate Limits Prepared Analyzed %Recovery Qualifier Dil Fac 1-Chlorooctane 155 S1+ 70 - 130 09/21/24 17:28 09/22/24 23:55 153 S1+ 70 - 130 09/21/24 17:28 09/22/24 23:55 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RLMDL 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

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

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

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

09/23/24 00:14

09/21/24 17:28

Matrix: Solid

Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 00:27	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier MDL Unit Analyte RLD Prepared Analyzed Dil Fac Total TPH <50.2 U 50.2 09/23/24 00:14 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Dil Fac Analyzed <50.2 U 50.2 09/21/24 17:28 09/23/24 00:14 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.2 U 50.2 mg/Kg 09/21/24 17:28 09/23/24 00:14 C10-C28) Oil Range Organics (Over C28-C36) <50.2 U 50.2 09/21/24 17:28 09/23/24 00:14 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 132 S1+ 70 - 130 09/21/24 17:28 09/23/24 00:14

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Chloride 2590 100 mg/Kg 09/21/24 05:29

70 - 130

Client Sample ID: BG-24 (2') Lab Sample ID: 880-48707-47 Matrix: Solid

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

Released to Imaging: 12/6/2024 1:53:02 PM

o-Terphenyl

130

Method: SW846 8021B - Vo	•	•	•						
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
Surrogato	% Pacayony	Qualifier	Limite				Propared	Analyzod	Dil Eac

Limits %Recovery Prepared 4-Bromofluorobenzene (Surr) 114 70 - 130 09/19/24 13:47 09/21/24 00:48 100 1,4-Difluorobenzene (Surr) 70 - 130 09/19/24 13:47 09/21/24 00:48

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte MDL Unit Result Qualifier RL D Dil Fac Prepared Analyzed Total BTEX <0.00398 U 0.00398 mg/Kg 09/21/24 00:48

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Dil Fac Unit D Prepared Analyzed Total TPH <50.4 U 50.4 09/23/24 00:33 mg/Kg

Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	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



Project/Site: Spill #2

Job ID: 880-48707-1

Client: Carmona Resources 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

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 Cl	hromatography - 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

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 Cald	culation							
			RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	RL 0.00396	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/21/24 01:08	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Result <0.00396 sel Range Organ	Qualifier U	0.00396			<u>D</u>	Prepared Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Result <0.00396 sel Range Organ	Qualifier U ics (DRO) (Qualifier	0.00396 GC)		mg/Kg		<u> </u>	09/21/24 01:08	1
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Dies	Result <0.00396 sel Range Organ Result <50.5 sesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO)	0.00396 GC) RL 50.5	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	09/21/24 01:08 Analyzed 09/23/24 00:53	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <0.00396 sel Range Organ Result <50.5 sesel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00396 GC) RL 50.5 (GC) RL		mg/Kg Unit mg/Kg Unit		Prepared Prepared	09/21/24 01:08 Analyzed 09/23/24 00:53 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <0.00396 sel Range Organ Result <50.5 sesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00396 GC) RL 50.5	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	09/21/24 01:08 Analyzed 09/23/24 00:53	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies	Result <0.00396 sel Range Organ Result <50.5 sesel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U	0.00396 GC) RL 50.5 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	09/21/24 01:08 Analyzed 09/23/24 00:53 Analyzed	1

metriod. Li A 300.0 - Arrions, for orifornatography - colubie	ſ	Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte Result Qualifier RI MDI Unit D Prepared Analyzed Dil Fac										

4.98

mg/Kg

Limits

70 - 130

%Recovery Qualifier

7.57

151 S1+

Analyzed

09/23/24 00:53

09/21/24 05:56

Prepared

09/21/24 17:28

Eurofins Midland

Dil Fac

Surrogate

Chloride

1-Chlorooctane

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Client Sample ID: BG-25 (2')

Lab Sample ID: 880-48707-49

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 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	
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 - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 01:29	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Analyte	•	Qualifier	•	MDL	Unit mg/Kg	D	Prepared	Analyzed 09/23/24 01:13	
Analyte Total TPH	Result <50.0	Qualifier U	RL 50.0	MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.0	Qualifier U	RL 50.0			<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.0	Qualifier U nics (DRO) Qualifier	RL 50.0		mg/Kg		<u> </u>	09/23/24 01:13	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 50.0		mg/Kg		Prepared	09/23/24 01:13 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	RL 50.0		mg/Kg Unit mg/Kg		Prepared 09/21/24 17:28	09/23/24 01:13 Analyzed 09/23/24 01:13	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U nics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:28 09/21/24 17:28	09/23/24 01:13 Analyzed 09/23/24 01:13 09/23/24 01:13	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result <50.0	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:28 09/21/24 17:28 09/21/24 17:28	09/23/24 01:13 Analyzed 09/23/24 01:13 09/23/24 01:13 09/23/24 01:13	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.0	Qualifier U nics (DRO) Qualifier U U Qualifier	RL		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:28 09/21/24 17:28 09/21/24 17:28 Prepared	09/23/24 01:13 Analyzed 09/23/24 01:13 09/23/24 01:13 09/23/24 01:13 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <50.0	Qualifier U nics (DRO) Qualifier U U Qualifier S1+ S1+	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:28 09/21/24 17:28 09/21/24 17:28 Prepared 09/21/24 17:28	09/23/24 01:13 Analyzed 09/23/24 01:13 09/23/24 01:13 09/23/24 01:13 Analyzed 09/23/24 01:13	Dil Fac
	Result	Qualifier U nics (DRO) Qualifier U U Qualifier S1+ S1+	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:28 09/21/24 17:28 09/21/24 17:28 Prepared 09/21/24 17:28	09/23/24 01:13 Analyzed 09/23/24 01:13 09/23/24 01:13 09/23/24 01:13 Analyzed 09/23/24 01:13	1 Dil Fac

Surrogate Summary

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

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid				Prep Type: Total/NA
				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48707-1	BG-1 (0-1')	97	109	
880-48707-1 MS	BG-1 (0-1')	113	97	
880-48707-1 MSD	BG-1 (0-1')	119	108	
880-48707-2	BG-1 (2')	120	111	
880-48707-3	BG-2 (0-1')	123	113	
880-48707-4	BG-2 (2')	127	108	
880-48707-5	BG-3 (0-1')	115	104	
380-48707-6	BG-3 (2')	130	111	
880-48707-7	BG-4 (0-1')	128	110	
380-48707-8	BG-4 (2')	133 S1+	116	
380-48707-9	BG-5 (0-1')	126	106	
880-48707-10	BG-6 (0-1')	134 S1+	105	
880-48707-11	BG-6 (2')	96	106	
880-48707-12	BG-7 (0-1')	131 S1+	117	
380-48707-13	BG-7 (2')	121	111	
880-48707-14	BG-8 (0-1')	128	115	
380-48707-15	BG-8 (2')	128	111	
380-48707-16	BG-9 (0-1')	119	116	
380-48707-17	BG-9 (2')	140 S1+	108	
380-48707-18	BG-10 (0-1')	130	113	
380-48707-19	BG-10 (2')	132 S1+	112	
380-48707-20	BG-11 (0-1')	142 S1+	124	
380-48707-21	BG-11 (2')	90	88	
380-48707-21 MS	BG-11 (2')	89	107	
380-48707-21 MSD	BG-11 (2')	91	97	
380-48707-22	BG-12 (0-1')	82	87	
380-48707-23	BG-12 (0-1)	90	88	
380-48707-24	BG-13 (0-1')	87	78	
380-48707-25	BG-13 (0-1)	85	88	
380-48707-25 380-48707-26	BG-14 (0-1')	101	80	
880-48707-27	BG-14 (2')	85 84	75 74	
880-48707-28	BG-15 (0-1')			
880-48707-29	BG-15 (2')	84	81	
380-48707-30	BG-16 (0-1')	86	84	
380-48707-31	BG-16 (2')	91	76	
380-48707-32	BG-17 (0-1')	87	84	
380-48707-33	BG-17 (2')	91	92	
380-48707-34	BG-18 (0-1')	90	81	
880-48707-35	BG-18 (2')	85	90	
380-48707-36	BG-19 (0-1')	83	75	
380-48707-37	BG-19 (2')	85	84	
380-48707-38	BG-20 (0-1')	93	80	
380-48707-39	BG-20 (2')	89	83	
380-48707-40	BG-21 (0-1')	86	73	
380-48707-41	BG-21 (2')	112	100	
880-48707-41 MS	BG-21 (2')	103	99	
880-48707-41 MSD	BG-21 (2')	104	101	
880-48707-42	BG-22 (0-1')	102	102	
880-48707-43	BG-22 (2')	109	102	

Surrogate Summary

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

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

Matrix: Solid Prep Type: Total/NA

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)	Percent Surrogate Recovery (Acceptance Limits)
 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				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

_			
		1001	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-48608-A-1-D MS	Matrix Spike	131 S1+	124
880-48608-A-1-E MSD	Matrix Spike Duplicate	119	111
880-48707-1	BG-1 (0-1')	162 S1+	168 S1+
880-48707-1 MS	BG-1 (0-1')	155 S1+	136 S1+
880-48707-1 MSD	BG-1 (0-1')	180 S1+	164 S1+
880-48707-2	BG-1 (2')	179 S1+	184 S1+
880-48707-3	BG-2 (0-1')	165 S1+	170 S1+
880-48707-4	BG-2 (2')	170 S1+	173 S1+
880-48707-5	BG-3 (0-1')	172 S1+	177 S1+
880-48707-6	BG-3 (2')	149 S1+	160 S1+
880-48707-7	BG-4 (0-1')	148 S1+	146 S1+
880-48707-8	BG-4 (2')	183 S1+	193 S1+
880-48707-9	BG-5 (0-1')	145 S1+	143 S1+
880-48707-10	BG-6 (0-1')	158 S1+	167 S1+
880-48707-11	BG-6 (2')	150 S1+	153 S1+
880-48707-12	BG-7 (0-1')	169 S1+	179 S1+
880-48707-13	BG-7 (2')	176 S1+	183 S1+
880-48707-14	BG-8 (0-1')	143 S1+	150 S1+
880-48707-15	BG-8 (2')	174 S1+	177 S1+
880-48707-16	BG-9 (0-1')	158 S1+	158 S1+
880-48707-17	BG-9 (2')	136 S1+	152 S1+
880-48707-18	BG-10 (0-1')	154 S1+	154 S1+
880-48707-19	BG-10 (2')	148 S1+	151 S1+

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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 Lin
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-48707-20	BG-11 (0-1')	138 S1+	140 S1+	
380-48707-21	BG-11 (2')	127	133 S1+	
880-48707-21 MS	BG-11 (2')	138 S1+	128	
30-48707-21 MSD	BG-11 (2')	157 S1+	147 S1+	
80-48707-22	BG-12 (0-1')	130	138 S1+	
80-48707-23	BG-12 (2')	138 S1+	170 S1+	
30-48707-24	BG-13 (0-1')	165 S1+	175 S1+	
30-48707-25	BG-13 (2')	131 S1+	142 S1+	
30-48707-26	BG-14 (0-1')	161 S1+	171 S1+	
30-48707-27	BG-14 (2')	144 S1+	158 S1+	
30-48707-28	BG-15 (0-1')	167 S1+	180 S1+	
80-48707-29	BG-15 (2')	236 S1+	242 S1+	
80-48707-30	BG-16 (0-1')	133 S1+	134 S1+	
30-48707-31	BG-16 (2')	155 S1+	167 S1+	
30-48707-32	BG-17 (0-1')	132 S1+	136 S1+	
30-48707-33	BG-17 (2')	138 S1+	141 S1+	
80-48707-34	BG-18 (0-1')	149 S1+	148 S1+	
80-48707-35	BG-18 (2')	151 S1+	149 S1+	
30-48707-36	BG-19 (0-1')	146 S1+	149 S1+	
30-48707-37	BG-19 (0-1)	146 S1+	150 S1+	
0-48707-38	BG-19 (2) BG-20 (0-1')	172 S1+	180 S1+	
	, ,			
0-48707-39	BG-20 (2')	159 S1+	172 S1+	
0-48707-40	BG-21 (0-1')	139 S1+	149 S1+	
30-48707-41	BG-21 (2')	146 S1+	147 S1+	
0-48707-42	BG-22 (0-1')	121	129	
0-48707-43	BG-22 (2')	132 S1+	131 S1+	
0-48707-44	BG-23 (0-1')	130	125	
0-48707-45	BG-23 (2')	155 S1+	153 S1+	
0-48707-46	BG-24 (0-1')	132 S1+	130	
30-48707-47	BG-24 (2')	155 S1+	157 S1+	
30-48707-48	BG-25 (0-1')	151 S1+	144 S1+	
30-48707-49	BG-25 (2')	138 S1+	136 S1+	
CS 880-91409/2-A	Lab Control Sample	103	97	
CS 880-91411/2-A	Lab Control Sample	122	119	
CS 880-91412/2-A	Lab Control Sample	103	89	
CSD 880-91409/3-A	Lab Control Sample Dup	105	99	
CSD 880-91411/3-A	Lab Control Sample Dup	105	93	
CSD 880-91412/3-A	Lab Control Sample Dup	111	103	
/IB 880-91409/1-A	Method Blank	213 S1+	218 S1+	
MB 880-91411/1-A	Method Blank	261 S1+	284 S1+	
MB 880-91412/1-A	Method Blank	270 S1+	279 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91198/5-A

Matrix: Solid

Analysis Batch: 91280

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91198

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 10:56	09/20/24 12:21	1

мв мв

MB MB

Surrogate	%Recovery	Qualifier	Limits	Pro	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	09/19	9/24 10:56	09/20/24 12:21	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/19	9/24 10:56	09/20/24 12:21	1

Lab Sample ID: MB 880-91227/5-A

Matrix: Solid

Analysis Batch: 91420

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

Prep Batch: 91227

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 16:04	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
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мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130	09/19/24 13:42	09/22/24 16:04	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/19/24 13:42	09/22/24 16:04	1

Lab Sample ID: LCS 880-91227/1-A

Matrix: Solid

Analysis Batch: 91420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 91227

Spike	LCS	LCS				%Rec	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
0.100	0.1021		mg/Kg		102	70 - 130	
0.100	0.09883		mg/Kg		99	70 - 130	
0.100	0.1033		mg/Kg		103	70 - 130	
0.200	0.2115		mg/Kg		106	70 - 130	
0.100	0.1089		mg/Kg		109	70 - 130	
	0.100 0.100 0.100 0.100 0.200	Added Result 0.100 0.1021 0.100 0.09883 0.100 0.1033 0.200 0.2115	Added Result Qualifier 0.100 0.1021 0.100 0.09883 0.100 0.1033 0.200 0.2115	Added Result Qualifier Unit 0.100 0.1021 mg/Kg 0.100 0.09883 mg/Kg 0.100 0.1033 mg/Kg 0.200 0.2115 mg/Kg	Added Result Qualifier Unit D 0.100 0.1021 mg/Kg 0.100 0.09883 mg/Kg 0.100 0.1033 mg/Kg 0.200 0.2115 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.1021 mg/Kg 102 0.100 0.09883 mg/Kg 99 0.100 0.1033 mg/Kg 103 0.200 0.2115 mg/Kg 106	Added Result Qualifier Unit D %Rec Limits 0.100 0.1021 mg/Kg 102 70 - 130 0.100 0.09883 mg/Kg 99 70 - 130 0.100 0.1033 mg/Kg 103 70 - 130 0.200 0.2115 mg/Kg 106 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	103	70 - 130
1.4-Difluorobenzene (Surr)	94	70 - 130

Lab Sample ID: LCSD 880-91227/2-A

Matrix: Solid

Analysis Batch: 91420

Client Sample ID: Lab	Control Sample Dup
	Dren Times Tetal/NA

Prep Type: Total/NA

Prep Batch: 91227

	Spike	LCSD I	LCSD			70Rec		KPD
Analyte	Added	Result (Qualifier Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1015	mg/Kg		102	70 - 130	1	35

LCCD LCCD

Cnika

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

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

Lab Sample ID: LCSD 880-91227/2-A

Matrix: Solid

Analysis Batch: 91420

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 91227

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.09251		mg/Kg		93	70 - 130	7	35
Ethylbenzene	0.100	0.1102		mg/Kg		110	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2387		mg/Kg		119	70 - 130	12	35
o-Xylene	0.100	0.1055		mg/Kg		106	70 - 130	3	35

LCSD LCSD

Surrogate	%Recovery Qua	alifier Limits
4-Bromofluorobenzene (Surr)	108	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

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

Matrix: Solid Prep Type: Total/NA Analysis Batch: 91420

Prep Batch: 91227

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.101	0.08248		mg/Kg		82	70 - 130	
Toluene	<0.00202	U	0.101	0.07404		mg/Kg		73	70 - 130	
Ethylbenzene	<0.00202	U	0.101	0.08590		mg/Kg		85	70 - 130	
m-Xylene & p-Xylene	<0.00404	U	0.202	0.1882		mg/Kg		93	70 - 130	
o-Xylene	<0.00202	U	0.101	0.08214		mg/Kg		81	70 - 130	

MS MS

Surrogate	%Recovery Qualitier	Limits
4-Bromofluorobenzene (Surr)	113	70 - 130
1.4-Difluorobenzene (Surr)	97	70 - 130

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

Matrix: Solid

Analysis Batch: 91420

Prep Type: Total/NA Prep Batch: 91227

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.0998	0.08261		mg/Kg		83	70 - 130	0	35
Toluene	<0.00202	U	0.0998	0.06973		mg/Kg		70	70 - 130	6	35
Ethylbenzene	<0.00202	U	0.0998	0.07660		mg/Kg		77	70 - 130	11	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1796		mg/Kg		90	70 - 130	5	35
o-Xylene	<0.00202	U	0.0998	0.08533		mg/Kg		86	70 - 130	4	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: MB 880-91228/5-A

Matrix: Solid

Analysis Batch: 91280

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 91228

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:45	09/20/24 23:06	1

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

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

Lab Sample ID: MB 880-91228/5-A

Matrix: Solid

Analysis Batch: 91280

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91228

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 13:45	09/20/24 23:06	1

MR MR

мв мв

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77	70 - 130	09/19/24 13:45	09/20/24 23:06	1
1,4-Difluorobenzene (Surr)	93	70 - 130	09/19/24 13:45	09/20/24 23:06	1

Lab Sample ID: LCS 880-91228/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Prep Type: Total/NA Prep Batch: 91228 **Analysis Batch: 91280**

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09797	-	mg/Kg		98	70 - 130	
Toluene	0.100	0.09648		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130	
m-Xylene & p-Xylene	0.200	0.2079		mg/Kg		104	70 - 130	
o-Xylene	0.100	0.1291		mg/Kg		129	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	124	70 - 130
1,4-Difluorobenzene (Surr)	111	70 - 130

Lab Sample ID: LCSD 880-91228/2-A

Matrix: Solid

Analysis Batch: 91280

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

Prep Batch: 91228

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09044		mg/Kg		90	70 - 130	8	35
Toluene	0.100	0.08444		mg/Kg		84	70 - 130	13	35
Ethylbenzene	0.100	0.08576		mg/Kg		86	70 - 130	24	35
m-Xylene & p-Xylene	0.200	0.1610		mg/Kg		81	70 - 130	25	35
o-Xylene	0.100	0.09263		mg/Kg		93	70 - 130	33	35
Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	0.100 0.100 0.100 0.200	0.09044 0.08444 0.08576 0.1610	Qualifier	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	90 84 86 81	70 - 130 70 - 130 70 - 130 70 - 130	8 13 24 25	35 35 35 35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	89	70 - 130
1.4-Difluorobenzene (Surr)	110	70 - 130

Lab Sample ID: 880-48707-21 MS

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Matrix: Solid

Analysis Batch: 91280

Client Sam	ple ID: BO	3-11 (2')
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Prep Type: Total/NA

Prep Batch: 91228

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.101	0.08121		mg/Kg		81	70 - 130	
Toluene	<0.00202	U	0.101	0.07346		mg/Kg		73	70 - 130	
Ethylbenzene	<0.00202	U F1	0.101	0.06568	F1	mg/Kg		65	70 - 130	
m-Xylene & p-Xylene	<0.00404	U F1	0.202	0.1199	F1	mg/Kg		59	70 - 130	
o-Xylene	<0.00202	U F1	0.101	0.06022	F1	mg/Kg		60	70 - 130	

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

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

Lab Sample ID: 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

Client Sample ID: BG-11 (2') Lab Sample ID: 880-48707-21 MSD

Matrix: Solid

Analysis Batch: 91280

Prep Type: Total/NA

Prep Batch: 91228

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.0998	0.07131		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 Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 91278

Prep Type: Total/NA Prep Batch: 91229

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

MB MB

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91229

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09103		mg/Kg		91	70 - 130	
Toluene	0.100	0.08674		mg/Kg		87	70 - 130	
Ethylbenzene	0.100	0.08487		mg/Kg		85	70 - 130	
m-Xylene & p-Xylene	0.200	0.1799		mg/Kg		90	70 - 130	
o-Xylene	0.100	0.09124		mg/Kg		91	70 - 130	

LCS LCS

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

Eurofins Midland

Analysis Batch: 91278

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

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

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

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91229

LCS LCS

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

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09165		mg/Kg		92	70 - 130	1	35
Toluene	0.100	0.08666		mg/Kg		87	70 - 130	0	35
Ethylbenzene	0.100	0.08550		mg/Kg		86	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1816		mg/Kg		91	70 - 130	1	35
o-Xylene	0.100	0.09161		mg/Kg		92	70 - 130	0	35

LCSD LCSD

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

Lab Sample ID: 880-48707-41 MS

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: BG-21 (2')

Prep Type: Total/NA

Prep Batch: 91229

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

MS MS

Surrogate	%Recovery Qual	lifier 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

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.0998	0.08768		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

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

Client: Carmona Resources Project/Site: Spill #2

<0.00200 U

<0.00400 U

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

Client Sample ID: Method Blank

09/20/24 11:46

09/20/24 11:46

09/20/24 09:13

09/20/24 09:13

Prep Type: Total/NA

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

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

Analysis Batch: 91278

Matrix: Solid

Analyte Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

							Prep Batch	n: <mark>91286</mark>
MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
<0.00400	U	0.00400		mg/Kg		09/20/24 09:13	09/20/24 11:46	1

mg/Kg

mg/Kg

MB MB

Surrogate	%Recovery 0	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	

0.00200

0.00400

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

Lab Sample ID: MB 880-91409/1-A

Matrix: Solid

Analysis Batch: 91414

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

Prep Batch: 91409

-	MB	MB					-	
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg	<u> </u>	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
	MB	MB						

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	213	S1+	70 - 130
o-Ternhenyl	218	S1+	70 130

Surrogate	%Recovery	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

Matrix: Solid

Analysis Batch: 91414

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 91409

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	856.8		mg/Kg	_	86	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	862.5		mg/Kg		86	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-91409/3-A

Matrix: Solid

Analysis Batch: 91414

Client Sample ID: Lab	Control Sample Dup
	Dune Towns Total/NIA

Prep Type: Total/NA Prep Batch: 91409

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	854.6		mg/Kg		85	70 - 130	0	20

(GRO)-C6-C10

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

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

Lab Sample ID: LCSD 880-91409/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 91414 Prep Batch: 91409

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D 1000 939 8 94 70 - 130 20 Diesel Range Organics (Over mg/Kg 9

C10-C28)

C10-C28)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-48608-A-1-D MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA Analysis Batch: 91414 Prep Batch: 91409

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits U F1 1010 725.4 F1 70 - 130 Gasoline Range Organics <49.9 mg/Kg 69 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 1010 879.6 mg/Kg 83 70 - 130 C10-C28)

MS MS Qualifier Surrogate %Recovery Limits 1-Chlorooctane 131 S1+ 70 - 130

124 70 - 130 o-Terphenyl

Lab Sample ID: 880-48608-A-1-E MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid**

Analysis Batch: 91414 Prep Batch: 91409 Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit Gasoline Range Organics <49.9 U F1 1010 688.5 F1 mg/Kg 65 70 - 1305 20 (GRO)-C6-C10 <49.9 U 1010 784.0 74 70 - 130 20 Diesel Range Organics (Over mg/Kg 11

MSD MSD Qualifier Surrogate %Recovery Limits 1-Chlorooctane 119 70 - 130 o-Terphenyl 111 70 - 130

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Lab Sample ID: MB 880-91411/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 91416** Prep Batch: 91411

мв мв Result Qualifier MDL Analyte RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 09/21/24 17:33 09/22/24 07:13 mg/Kg (GRO)-C6-C10 50.0 09/21/24 17:33 09/22/24 07:13 Diesel Range Organics (Over <50.0 U mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 09/21/24 17:33 09/22/24 07:13

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac S1+ 70 - 130 09/21/24 17:33 09/22/24 07:13 1-Chlorooctane 261 09/21/24 17:33 09/22/24 07:13 284 S1+ 70 - 130 o-Terphenyl

Eurofins Midland

Prep Type: Total/NA

Lab Sample ID: LCS 880-91411/2-A

Lab Sample ID: LCSD 880-91411/3-A

Matrix: Solid

Surrogate

o-Terphenyl

Analyte

C10-C28)

Surrogate 1-Chlorooctane

o-Terphenyl

Matrix: Solid

1-Chlorooctane

Matrix: Solid

(GRO)-C6-C10

Analysis Batch: 91416

Gasoline Range Organics

Diesel Range Organics (Over

Analysis Batch: 91416

QC Sample Results

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

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

LCS LCS %Recovery Qualifier

LCSD LCSD %Recovery Qualifier

105

93

136 S1+

122

119

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

%Rec

Limits

70 - 130

70 - 130

Prep Type: Total/NA

Prep Batch: 91411

RPD

22

46

Prep Type: Total/NA Prep Batch: 91411

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	694.6	*_	mg/Kg		69	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	608.0	*-	mg/Kg		61	70 - 130	
C10-C28)								

Limits

70 - 130

70 - 130

Spike

Added

1000

1000

Limits

70 - 130

70 - 130

70 - 130

LCSD LCSD

866.2

967.8 *1

Result Qualifier

Unit

mg/Kg

mg/Kg

D

%Rec

87

97

RPD

Limit

20

20

o-Terphenyl

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

ш											
		Sample	Sample	Spike	MS	MS				%Rec	
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Gasoline Range Organics	<49.9	U *- *1	1000	1048		mg/Kg		102	70 - 130	
	(GRO)-C6-C10										
	Diesel Range Organics (Over	<49.9	U *- *1 F1	1000	1204		mg/Kg		115	70 - 130	
	C10-C28)										

MS MS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 155 S1+ 70 - 130

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

Prep Type: Total/NA Prep Batch: 91411

Analysis Batch: 91416									Prep	Batch:	91411
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	1000	1203		mg/Kg		117	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1 F1	1000	1430	F1	mg/Kg		138	70 - 130	17	20

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 180 S1+ 70 - 130

Eurofins Midland

Lab Sample ID: 880-48707-1 MSD

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

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

_	MB	MB						-	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 17:09	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 17:09	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 17:09	1

мв мв

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

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 880-91412/2-A

Matrix: Solid

Analysis Batch: 91416

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Batch: 91412

	Бріке	LUS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000	1116		mg/Kg		112	70 - 130		
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1333	*+	mg/Kg		133	70 - 130		
C10-C28)									

C10-C28)

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	103	70 - 130
o-Terphenyl	89	70 - 130

Lab Sample ID: LCSD 880-91412/3-A

Analysis Batch: 91416

Matrix: Solid Prep Type: Total/NA Prep Batch: 91412

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	1121		mg/Kg		112	70 - 130	0	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1104		mg/Kg		110	70 - 130	19	20	
C10 C28)										

C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	111	70 - 130
o-Terphenyl	103	70 - 130

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

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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.8	U	1010	1113		mg/Kg		108	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.8	U *+	1010	1159		mg/Kg		111	70 - 130	
C10-C28)										

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 138 S1+ o-Terphenyl 128 70 - 130

Lab Samp

Matrix: So

Analysis Batch: 91416

iple ID: 880-48707-21 MSD	Client Sample ID: BG-11 (2')
Solid	Prep Type: Total/NA

Prep Batch: 91412

Spike MSD MSD RPD Sample Sample %Rec Added Result Qualifier Result Qualifier Unit %Rec Limits **RPD** Limit <49.8 U 1010 1147 70 - 130 3 Gasoline Range Organics mg/Kg 112 (GRO)-C6-C10 Diesel Range Organics (Over <49.8 U*+ 1010 1324 mg/Kg 127 70 - 130 13 20

C10-C28)

	MSD	MSD			
Surrogate	%Recovery	Qualifier	Limits		
1-Chlorooctane	157	S1+	70 - 130		
o-Terphenyl	147	S1+	70 - 130		

Method: 300.0 - Anions, Ion Chromatography

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

Matrix: Solid

Matrix: Solid

Analysis Batch: 91312

MB MB

Analyte	Result	Qualifier	RL	MDL	MDL Unit		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 **Client Sample ID: Lab Control Sample**

Prep Type: Soluble

Prep Type: Soluble

Analysis Batch: 91312

	Зріке	LUS	LUS			%Rec	
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	
Chloride	250	247.3	mg/Kg		99	90 - 110	

Lab Sample ID: LCSD 880-91283/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 91312

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

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 Client Sample ID: BG-3 (2')

Matrix: Solid Prep Type: Soluble

Analysis Batch: 91312

Spike MS MS %Rec Sample Sample Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits Chloride 4180 F1 4970 10960 F1 mg/Kg 137 90 - 110

Lab Sample ID: 880-48707-6 MSD Client Sample ID: BG-3 (2') **Matrix: Solid**

Prep Type: Soluble

Analysis Batch: 91312

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 4180 F1 4970 10980 F1 mg/Kg 137 90 - 110

Lab Sample ID: MB 880-91284/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 91328

мв мв

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 09/20/24 21:37 mg/Kg

Lab Sample ID: LCS 880-91284/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 91328

LCS LCS Spike %Rec Added Analyte Result Qualifier Unit %Rec Limits Chloride 250 234.7 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-91284/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 91328

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 232.2 mg/Kg 93 90 - 110

Lab Sample ID: 880-48707-16 MS Client Sample ID: BG-9 (0-1')

Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 91328

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride 2220 F1 2520 5101 F1 mg/Kg 114 90 - 110

Lab Sample ID: 880-48707-16 MSD Client Sample ID: BG-9 (0-1') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 91328

MSD MSD %Rec RPD Sample Sample Spike Result Qualifier Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec 2520 Chloride 2220 F1 5080 F1 mg/Kg 113 90 - 110 20

Lab Sample ID: 880-48707-26 MS Client Sample ID: BG-14 (0-1') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 91328

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 3230 F1 2480 6062 F1 mg/Kg 114 90 - 110

Eurofins Midland

Prep Type: Soluble

Client Sample ID: BG-14 (0-1')

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: BG-19 (0-1')

Client Sample ID: BG-19 (0-1')

Client Sample ID: BG-24 (0-1')

Client Sample ID: BG-24 (0-1')

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-48707-26 MSD

Matrix: Solid

Analysis Batch: 91328

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	3230	F1	2480	6093	F1	mg/Kg		115	90 - 110	1	20

Lab Sample ID: MB 880-91285/1-A

Matrix: Solid

Analysis Batch: 91341

Result Qualifier MDL Unit Analyte RL Prepared Analyzed Dil Fac <5.00 U Chloride 5.00 mg/Kg 09/21/24 03:36

Lab Sample ID: LCS 880-91285/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 91341

-		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		250	246.3		mg/Kg	_	99	90 - 110	

Lab Sample ID: LCSD 880-91285/3-A

Matrix: Solid

Analysis Batch: 91341

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	245.6		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-48707-36 MS

Matrix: Solid

Analysis Batch: 91341

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	10100	F1	5030	16850	F1	ma/Ka		135	90 - 110	

Lab Sample ID: 880-48707-36 MSD

Matrix: Solid

Analysis Batch: 91341

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	10100	F1	5030	17140	F1	mg/Kg	_	140	90 - 110	2	20

Lab Sample ID: 880-48707-46 MS

Matrix: Solid

Analysis Batch: 91341

	Sample Sample	Spike	MS	MS				%Rec
Analyte	Result Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	2590	5010	7998	-	ma/Ka		108	90 - 110

Lab Sample ID: 880-48707-46 MSD

Released to Imaging: 12/6/2024 1:53:02 PM

Matrix: Solid

Analysis Batch: 91341											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	2590		5010	7997		mg/Kg		108	90 - 110	0	20

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Client: Carmona Resources

Job ID: 880-48707-1
Project/Site: Spill #2

SDG: Eddy County. New Mexico

GC VOA

Prep Batch: 91198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91198/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 91227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	5035	
880-48707-2	BG-1 (2')	Total/NA	Solid	5035	
880-48707-3	BG-2 (0-1')	Total/NA	Solid	5035	
880-48707-4	BG-2 (2')	Total/NA	Solid	5035	
880-48707-5	BG-3 (0-1')	Total/NA	Solid	5035	
880-48707-6	BG-3 (2')	Total/NA	Solid	5035	
880-48707-7	BG-4 (0-1')	Total/NA	Solid	5035	
880-48707-8	BG-4 (2')	Total/NA	Solid	5035	
880-48707-9	BG-5 (0-1')	Total/NA	Solid	5035	
880-48707-10	BG-6 (0-1')	Total/NA	Solid	5035	
880-48707-11	BG-6 (2')	Total/NA	Solid	5035	
880-48707-12	BG-7 (0-1')	Total/NA	Solid	5035	
880-48707-13	BG-7 (2')	Total/NA	Solid	5035	
880-48707-14	BG-8 (0-1')	Total/NA	Solid	5035	
880-48707-15	BG-8 (2')	Total/NA	Solid	5035	
880-48707-16	BG-9 (0-1')	Total/NA	Solid	5035	
880-48707-17	BG-9 (2')	Total/NA	Solid	5035	
880-48707-18	BG-10 (0-1')	Total/NA	Solid	5035	
880-48707-19	BG-10 (2')	Total/NA	Solid	5035	
880-48707-20	BG-11 (0-1')	Total/NA	Solid	5035	
MB 880-91227/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91227/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91227/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48707-1 MS	BG-1 (0-1')	Total/NA	Solid	5035	
880-48707-1 MSD	BG-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 91228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep 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	
380-48707-28	BG-15 (0-1')	Total/NA	Solid	5035	
380-48707-29	BG-15 (2')	Total/NA	Solid	5035	
880-48707-30	BG-16 (0-1')	Total/NA	Solid	5035	
380-48707-31	BG-16 (2')	Total/NA	Solid	5035	
380-48707-32	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	
380-48707-37	BG-19 (2')	Total/NA	Solid	5035	
380-48707-38	BG-20 (0-1')	Total/NA	Solid	5035	
880-48707-39	BG-20 (2')	Total/NA	Solid	5035	

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

GC VOA (Continued)

Prep Batch: 91228 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-40	BG-21 (0-1')	Total/NA	Solid	5035	
MB 880-91228/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91228/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91228/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48707-21 MS	BG-11 (2')	Total/NA	Solid	5035	
880-48707-21 MSD	BG-11 (2')	Total/NA	Solid	5035	

Prep Batch: 91229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Total/NA	Solid	5035	
880-48707-42	BG-22 (0-1')	Total/NA	Solid	5035	
880-48707-43	BG-22 (2')	Total/NA	Solid	5035	
880-48707-44	BG-23 (0-1')	Total/NA	Solid	5035	
880-48707-45	BG-23 (2')	Total/NA	Solid	5035	
880-48707-46	BG-24 (0-1')	Total/NA	Solid	5035	
880-48707-47	BG-24 (2')	Total/NA	Solid	5035	
880-48707-48	BG-25 (0-1')	Total/NA	Solid	5035	
880-48707-49	BG-25 (2')	Total/NA	Solid	5035	
MB 880-91229/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91229/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91229/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48707-41 MS	BG-21 (2')	Total/NA	Solid	5035	
880-48707-41 MSD	BG-21 (2')	Total/NA	Solid	5035	

Analysis Batch: 91278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Total/NA	Solid	8021B	91229
880-48707-42	BG-22 (0-1')	Total/NA	Solid	8021B	91229
880-48707-43	BG-22 (2')	Total/NA	Solid	8021B	91229
880-48707-44	BG-23 (0-1')	Total/NA	Solid	8021B	91229
880-48707-45	BG-23 (2')	Total/NA	Solid	8021B	91229
880-48707-46	BG-24 (0-1')	Total/NA	Solid	8021B	91229
880-48707-47	BG-24 (2')	Total/NA	Solid	8021B	91229
880-48707-48	BG-25 (0-1')	Total/NA	Solid	8021B	91229
880-48707-49	BG-25 (2')	Total/NA	Solid	8021B	91229
MB 880-91229/5-A	Method Blank	Total/NA	Solid	8021B	91229
MB 880-91286/5-A	Method Blank	Total/NA	Solid	8021B	91286
LCS 880-91229/1-A	Lab Control Sample	Total/NA	Solid	8021B	91229
LCSD 880-91229/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91229
880-48707-41 MS	BG-21 (2')	Total/NA	Solid	8021B	91229
880-48707-41 MSD	BG-21 (2')	Total/NA	Solid	8021B	91229

Analysis Batch: 91280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-21	BG-11 (2')	Total/NA	Solid	8021B	91228
880-48707-22	BG-12 (0-1')	Total/NA	Solid	8021B	91228
880-48707-23	BG-12 (2')	Total/NA	Solid	8021B	91228
880-48707-24	BG-13 (0-1')	Total/NA	Solid	8021B	91228
880-48707-25	BG-13 (2')	Total/NA	Solid	8021B	91228
880-48707-26	BG-14 (0-1')	Total/NA	Solid	8021B	91228
880-48707-27	BG-14 (2')	Total/NA	Solid	8021B	91228

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

GC VOA (Continued)

Analysis Batch: 91280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-28	BG-15 (0-1')	Total/NA	Solid	8021B	91228
880-48707-29	BG-15 (2')	Total/NA	Solid	8021B	91228
880-48707-30	BG-16 (0-1')	Total/NA	Solid	8021B	91228
880-48707-31	BG-16 (2')	Total/NA	Solid	8021B	91228
880-48707-32	BG-17 (0-1')	Total/NA	Solid	8021B	91228
880-48707-33	BG-17 (2')	Total/NA	Solid	8021B	91228
880-48707-34	BG-18 (0-1')	Total/NA	Solid	8021B	91228
880-48707-35	BG-18 (2')	Total/NA	Solid	8021B	91228
880-48707-36	BG-19 (0-1')	Total/NA	Solid	8021B	91228
880-48707-37	BG-19 (2')	Total/NA	Solid	8021B	91228
880-48707-38	BG-20 (0-1')	Total/NA	Solid	8021B	91228
880-48707-39	BG-20 (2')	Total/NA	Solid	8021B	91228
880-48707-40	BG-21 (0-1')	Total/NA	Solid	8021B	91228
MB 880-91198/5-A	Method Blank	Total/NA	Solid	8021B	91198
MB 880-91228/5-A	Method Blank	Total/NA	Solid	8021B	91228
LCS 880-91228/1-A	Lab Control Sample	Total/NA	Solid	8021B	91228
LCSD 880-91228/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91228
880-48707-21 MS	BG-11 (2')	Total/NA	Solid	8021B	91228
880-48707-21 MSD	BG-11 (2')	Total/NA	Solid	8021B	91228

Prep Batch: 91286

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

Analysis Batch: 91420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	8021B	91227
880-48707-2	BG-1 (2')	Total/NA	Solid	8021B	91227
880-48707-3	BG-2 (0-1')	Total/NA	Solid	8021B	91227
880-48707-4	BG-2 (2')	Total/NA	Solid	8021B	91227
880-48707-5	BG-3 (0-1')	Total/NA	Solid	8021B	91227
880-48707-6	BG-3 (2')	Total/NA	Solid	8021B	91227
880-48707-7	BG-4 (0-1')	Total/NA	Solid	8021B	91227
880-48707-8	BG-4 (2')	Total/NA	Solid	8021B	91227
880-48707-9	BG-5 (0-1')	Total/NA	Solid	8021B	91227
880-48707-10	BG-6 (0-1')	Total/NA	Solid	8021B	91227
880-48707-11	BG-6 (2')	Total/NA	Solid	8021B	91227
880-48707-12	BG-7 (0-1')	Total/NA	Solid	8021B	91227
880-48707-13	BG-7 (2')	Total/NA	Solid	8021B	91227
880-48707-14	BG-8 (0-1')	Total/NA	Solid	8021B	91227
880-48707-15	BG-8 (2')	Total/NA	Solid	8021B	91227
880-48707-16	BG-9 (0-1')	Total/NA	Solid	8021B	91227
880-48707-17	BG-9 (2')	Total/NA	Solid	8021B	91227
880-48707-18	BG-10 (0-1')	Total/NA	Solid	8021B	91227
880-48707-19	BG-10 (2')	Total/NA	Solid	8021B	91227
880-48707-20	BG-11 (0-1')	Total/NA	Solid	8021B	91227
MB 880-91227/5-A	Method Blank	Total/NA	Solid	8021B	91227
LCS 880-91227/1-A	Lab Control Sample	Total/NA	Solid	8021B	91227
LCSD 880-91227/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91227
880-48707-1 MS	BG-1 (0-1')	Total/NA	Solid	8021B	91227
880-48707-1 MSD	BG-1 (0-1')	Total/NA	Solid	8021B	91227

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

GC VOA

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
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 (0-1) BG-24 (2')	Total/NA	Solid	Total BTEX	
880-48707-48	BG-25 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-49	BG-25 (0-1)	Total/NA	Solid	Total BTEX	

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

GC Semi VOA

Prep Batch: 91409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Total/NA	Solid	8015NM Prep	
880-48707-42	BG-22 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-43	BG-22 (2')	Total/NA	Solid	8015NM Prep	
880-48707-44	BG-23 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-45	BG-23 (2')	Total/NA	Solid	8015NM Prep	
880-48707-46	BG-24 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-47	BG-24 (2')	Total/NA	Solid	8015NM Prep	
880-48707-48	BG-25 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-49	BG-25 (2')	Total/NA	Solid	8015NM Prep	
MB 880-91409/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91409/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91409/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48608-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-48608-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 91411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-2	BG-1 (2')	Total/NA	Solid	8015NM Prep	
880-48707-3	BG-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-4	BG-2 (2')	Total/NA	Solid	8015NM Prep	
880-48707-5	BG-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-6	BG-3 (2')	Total/NA	Solid	8015NM Prep	
880-48707-7	BG-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-8	BG-4 (2')	Total/NA	Solid	8015NM Prep	
880-48707-9	BG-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-10	BG-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-11	BG-6 (2')	Total/NA	Solid	8015NM Prep	
880-48707-12	BG-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-13	BG-7 (2')	Total/NA	Solid	8015NM Prep	
880-48707-14	BG-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-15	BG-8 (2')	Total/NA	Solid	8015NM Prep	
880-48707-16	BG-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-17	BG-9 (2')	Total/NA	Solid	8015NM Prep	
880-48707-18	BG-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-19	BG-10 (2')	Total/NA	Solid	8015NM Prep	
880-48707-20	BG-11 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-91411/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91411/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91411/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48707-1 MS	BG-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-1 MSD	BG-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 91412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-21	BG-11 (2')	Total/NA	Solid	8015NM Prep	
880-48707-22	BG-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-23	BG-12 (2')	Total/NA	Solid	8015NM Prep	
880-48707-24	BG-13 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-25	BG-13 (2')	Total/NA	Solid	8015NM Prep	
880-48707-26	BG-14 (0-1')	Total/NA	Solid	8015NM Prep	

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

GC Semi VOA (Continued)

Prep Batch: 91412 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-27	BG-14 (2')	Total/NA	Solid	8015NM Prep	
880-48707-28	BG-15 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-29	BG-15 (2')	Total/NA	Solid	8015NM Prep	
880-48707-30	BG-16 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-31	BG-16 (2')	Total/NA	Solid	8015NM Prep	
880-48707-32	BG-17 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-33	BG-17 (2')	Total/NA	Solid	8015NM Prep	
880-48707-34	BG-18 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-35	BG-18 (2')	Total/NA	Solid	8015NM Prep	
880-48707-36	BG-19 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-37	BG-19 (2')	Total/NA	Solid	8015NM Prep	
880-48707-38	BG-20 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-39	BG-20 (2')	Total/NA	Solid	8015NM Prep	
880-48707-40	BG-21 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-91412/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91412/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91412/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48707-21 MS	BG-11 (2')	Total/NA	Solid	8015NM Prep	
880-48707-21 MSD	BG-11 (2')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 91414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Total/NA	Solid	8015B NM	91409
880-48707-42	BG-22 (0-1')	Total/NA	Solid	8015B NM	91409
880-48707-43	BG-22 (2')	Total/NA	Solid	8015B NM	91409
880-48707-44	BG-23 (0-1')	Total/NA	Solid	8015B NM	91409
880-48707-45	BG-23 (2')	Total/NA	Solid	8015B NM	91409
880-48707-46	BG-24 (0-1')	Total/NA	Solid	8015B NM	91409
880-48707-47	BG-24 (2')	Total/NA	Solid	8015B NM	91409
880-48707-48	BG-25 (0-1')	Total/NA	Solid	8015B NM	91409
880-48707-49	BG-25 (2')	Total/NA	Solid	8015B NM	91409
MB 880-91409/1-A	Method Blank	Total/NA	Solid	8015B NM	91409
LCS 880-91409/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91409
LCSD 880-91409/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91409
880-48608-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	91409
880-48608-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	91409

Analysis Batch: 91416

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-2	BG-1 (2')	Total/NA	Solid	8015B NM	91411
880-48707-3	BG-2 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-4	BG-2 (2')	Total/NA	Solid	8015B NM	91411
880-48707-5	BG-3 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-6	BG-3 (2')	Total/NA	Solid	8015B NM	91411
880-48707-7	BG-4 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-8	BG-4 (2')	Total/NA	Solid	8015B NM	91411
880-48707-9	BG-5 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-10	BG-6 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-11	BG-6 (2')	Total/NA	Solid	8015B NM	91411
880-48707-12	BG-7 (0-1')	Total/NA	Solid	8015B NM	91411

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

GC Semi VOA (Continued)

Analysis Batch: 91416 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep 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	

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

GC Semi VOA (Continued)

Analysis Batch: 91543 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-11	BG-6 (2')	Total/NA	Solid	8015 NM	
880-48707-12	BG-7 (0-1')	Total/NA	Solid	8015 NM	
880-48707-13	BG-7 (2')	Total/NA	Solid	8015 NM	
880-48707-14	BG-8 (0-1')	Total/NA	Solid	8015 NM	
880-48707-15	BG-8 (2')	Total/NA	Solid	8015 NM	
880-48707-16	BG-9 (0-1')	Total/NA	Solid	8015 NM	
880-48707-17	BG-9 (2')	Total/NA	Solid	8015 NM	
880-48707-18	BG-10 (0-1')	Total/NA	Solid	8015 NM	
880-48707-19	BG-10 (2')	Total/NA	Solid	8015 NM	
880-48707-20	BG-11 (0-1')	Total/NA	Solid	8015 NM	
880-48707-21	BG-11 (2')	Total/NA	Solid	8015 NM	
880-48707-22	BG-12 (0-1')	Total/NA	Solid	8015 NM	
880-48707-23	BG-12 (2')	Total/NA	Solid	8015 NM	
880-48707-24	BG-13 (0-1')	Total/NA	Solid	8015 NM	
880-48707-25	BG-13 (2')	Total/NA	Solid	8015 NM	
880-48707-26	BG-14 (0-1')	Total/NA	Solid	8015 NM	
880-48707-27	BG-14 (2')	Total/NA	Solid	8015 NM	
880-48707-28	BG-15 (0-1')	Total/NA	Solid	8015 NM	
880-48707-29	BG-15 (2')	Total/NA	Solid	8015 NM	
880-48707-30	BG-16 (0-1')	Total/NA	Solid	8015 NM	
880-48707-31	BG-16 (2')	Total/NA	Solid	8015 NM	
880-48707-32	BG-17 (0-1')	Total/NA	Solid	8015 NM	
880-48707-33	BG-17 (2')	Total/NA	Solid	8015 NM	
880-48707-34	BG-18 (0-1')	Total/NA	Solid	8015 NM	
880-48707-35	BG-18 (2')	Total/NA	Solid	8015 NM	
880-48707-36	BG-19 (0-1')	Total/NA	Solid	8015 NM	
880-48707-37	BG-19 (2')	Total/NA	Solid	8015 NM	
880-48707-38	BG-20 (0-1')	Total/NA	Solid	8015 NM	
880-48707-39	BG-20 (2')	Total/NA	Solid	8015 NM	
880-48707-40	BG-21 (0-1')	Total/NA	Solid	8015 NM	
880-48707-41	BG-21 (2')	Total/NA	Solid	8015 NM	
880-48707-42	BG-22 (0-1')	Total/NA	Solid	8015 NM	
880-48707-43	BG-22 (2')	Total/NA	Solid	8015 NM	
880-48707-44	BG-23 (0-1')	Total/NA	Solid	8015 NM	
880-48707-45	BG-23 (2')	Total/NA	Solid	8015 NM	
880-48707-46	BG-24 (0-1')	Total/NA	Solid	8015 NM	
880-48707-47	BG-24 (2')	Total/NA	Solid	8015 NM	
880-48707-48	BG-25 (0-1')	Total/NA	Solid	8015 NM	
880-48707-49	BG-25 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 91283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Soluble	Solid	DI Leach	
880-48707-2	BG-1 (2')	Soluble	Solid	DI Leach	
880-48707-3	BG-2 (0-1')	Soluble	Solid	DI Leach	
880-48707-4	BG-2 (2')	Soluble	Solid	DI Leach	
880-48707-5	BG-3 (0-1')	Soluble	Solid	DI Leach	
880-48707-6	BG-3 (2')	Soluble	Solid	DI Leach	
880-48707-7	BG-4 (0-1')	Soluble	Solid	DI Leach	

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Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

HPLC/IC (Continued)

Leach Batch: 91283 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-8	BG-4 (2')	Soluble	Solid	DI Leach	_
880-48707-9	BG-5 (0-1')	Soluble	Solid	DI Leach	
880-48707-10	BG-6 (0-1')	Soluble	Solid	DI Leach	
880-48707-11	BG-6 (2')	Soluble	Solid	DI Leach	
880-48707-12	BG-7 (0-1')	Soluble	Solid	DI Leach	
880-48707-13	BG-7 (2')	Soluble	Solid	DI Leach	
880-48707-14	BG-8 (0-1')	Soluble	Solid	DI Leach	
880-48707-15	BG-8 (2')	Soluble	Solid	DI Leach	
MB 880-91283/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91283/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91283/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48707-6 MS	BG-3 (2')	Soluble	Solid	DI Leach	
880-48707-6 MSD	BG-3 (2')	Soluble	Solid	DI Leach	

Leach Batch: 91284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
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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Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

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

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Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

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

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

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

Lab Sample ID: 880-48707-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 16:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 16:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 09:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 09:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 17:42	CH	EET MID

Lab Sample ID: 880-48707-2

Client Sample ID: BG-1 (2') Date Collected: 09/13/24 00:00 Matrix: Solid

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 17:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 10:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 10:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 17:53	CH	EET MID

Client Sample ID: BG-2 (2')	Lab Sample ID: 880-48707-4
Date Collected: 09/13/24 00:00	Matrix: Solid
Date Received: 09/19/24 11:40	
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	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 17:34	SM	EET MID

Eurofins Midland

SDG: Eddy County. New Mexico

Client Sample ID: BG-2 (2')

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

Lab Sample ID: 880-48707-4

Matrix: Solid

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

Lab Sample ID: 880-48707-5

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

Date Received: 09/19/24 11:40

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab 5035 Total/NA Prep 5.03 g 5 mL 91227 09/19/24 13:42 MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 91420 09/22/24 17:54 MNR EET MID 1 Total/NA Total BTEX Analysis 1 91472 09/22/24 17:54 SM **EET MID** Total/NA Analysis 8015 NM 91543 09/22/24 11:21 SM EET MID 1 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 uL 91416 09/22/24 11:21 SM **EET MID** 1 uL Soluble Leach DI Leach 5.02 g 50 mL 91283 09/20/24 09:06 SA **EET MID** Soluble Analysis 300.0 20 50 mL 50 mL 91312 09/20/24 18:04 СН **EET MID**

Client Sample ID: BG-3 (2') Lab Sample ID: 880-48707-6 Date Collected: 09/13/24 00:00 **Matrix: Solid**

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 18:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 11:40	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:09	CH	EET MID

Client Sample ID: BG-4 (0-1') Lab Sample ID: 880-48707-7

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 18:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 12:00	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.07 g 1 uL	10 mL 1 uL	91411 91416	09/21/24 17:33 09/22/24 12:00	TKC SM	EET MID EET MID

Eurofins Midland

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:25	CH	EET MID

Client Sample ID: BG-4 (2') Lab Sample ID: 880-48707-8

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

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 18:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 12:19	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:30	CH	EET MID

Client Sample ID: BG-5 (0-1') Lab Sample ID: 880-48707-9

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 19:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 12:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 12:40	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:47	CH	EET MID

Client Sample ID: BG-6 (0-1') Lab Sample ID: 880-48707-10

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

Released to Imaging: 12/6/2024 1:53:02 PM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 19:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 12:58	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91312	09/20/24 18:52	CH	EET MID

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9/25/2024

Job ID: 880-48707-1

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

Lab Sample ID: 880-48707-11

Client Sample ID: BG-6 (2') Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 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 91472 09/22/24 21:27 SM **EET MID** Total/NA Analysis 8015 NM 1 91543 09/22/24 13:36 SM **EET MID** 10 mL 09/21/24 17:33 EET MID Total/NA 8015NM Prep 10.02 g 91411 TKC Prep Total/NA Analysis 8015B NM 1 uL 1 uL 91416 09/22/24 13:36 SM **EET MID** 50 mL 91283 09/20/24 09:06 SA Soluble DI Leach 4.99 g FFT MID Leach Soluble Analysis 300.0 5 50 mL 50 mL 91312 09/20/24 18:57 СН **EET MID**

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

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

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Factor Amount Amount Number or Analyzed Lab Run **Analyst** Total/NA Prep 5035 5 mL 91227 09/19/24 13:42 MNR EET MID 5.03 g 8021B Total/NA Analysis 1 5 mL 5 mL 91420 09/22/24 21:47 MNR **EET MID** Total/NA Total BTEX Analysis 91472 09/22/24 21:47 SM **EET MID** 1 Total/NA Analysis 8015 NM 91543 09/22/24 13:55 SM **EET MID**

Client Sample ID: BG-7 (2') Lab Sample ID: 880-48707-13 Date Collected: 09/13/24 00:00 **Matrix: Solid**

50

10.04 g

1 uL

4.98 g

50 mL

91411

91416

91283

91312

10 mL

1 uL

50 mL

50 mL

09/21/24 17:33

09/22/24 13:55

09/20/24 09:06

09/20/24 19:03

TKC

SM

SA

СН

Date Received: 09/19/24 11:40

Prep

Analysis

Analysis

Leach

8015NM Prep

8015B NM

DI Leach

300.0

Total/NA

Total/NA

Soluble

Soluble

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

Lab Sample ID: 880-48707-14 Client Sample ID: BG-8 (0-1')

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 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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Matrix: Solid

FFT MID

EET MID

EET MID

EET MID

Matrix: Solid

Released to Imaging: 12/6/2024 1:53:02 PM

Lab Chronicle

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

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

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

Lab Sample ID: 880-48707-14

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91543	09/22/24 14:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 14:33	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91312	09/20/24 19:14	CH	EET MID

Client Sample ID: BG-8 (2') Lab Sample ID: 880-48707-15

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 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

Lab Sample ID: 880-48707-16 Client Sample ID: BG-9 (0-1') Date Collected: 09/13/24 00:00 **Matrix: Solid**

Date Received: 09/19/24 11:40

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

Lab Sample ID: 880-48707-17 Client Sample ID: BG-9 (2')

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 23:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 15:32	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.97 g 1 uL	10 mL 1 uL	91411 91416	09/21/24 17:33 09/22/24 15:32	TKC SM	EET MID EET MID

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Client: Carmona Resources

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

Lab Sample ID: 880-48707-17 Client Sample ID: BG-9 (2')

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	91284	09/20/24 09:09	SA	EET MID
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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 23:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 23:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 15:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 15:51	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91328	09/23/24 12:59	CH	EET MID

Client Sample ID: BG-10 (2') Lab Sample ID: 880-48707-19

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/23/24 00:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/23/24 00:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 16:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 16:11	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91328	09/20/24 22:47	CH	EET MID

Client Sample ID: BG-11 (0-1') Lab Sample ID: 880-48707-20

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/23/24 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/23/24 00:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 16:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 16:30	SM	EET MIC
Soluble	Leach	DI Leach			5.04 g	50 mL	91284	09/20/24 09:09	SA	EET MIC
Soluble	Analysis	300.0		50	50 mL	50 mL	91328	09/20/24 22:55	CH	EET MID

Eurofins Midland

Matrix: Solid

Released to Imaging: 12/6/2024 1:53:02 PM

Client Sample ID: BG-11 (2')

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

Lab Sample ID: 880-48707-21

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/20/24 23:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 23:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 18:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 18:07	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	91328	09/20/24 23:22	CH	EET MID

Client Sample ID: BG-12 (0-1')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-22

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 00:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 00:29	SM	EET MID

Lab Chronicle

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91543	09/22/24 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	СН	EET MID

Client Sample ID: BG-13 (2')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-25

Matrix: Solid

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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')

Date Collected: 09/13/24 00:00

Lab Sample ID: 880-48707-26

Matrix: Solid

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 01:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 20:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 20:23	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91328	09/21/24 00:05	CH	EET MID

Client Sample ID: BG-14 (2')

Lab Sample ID: 880-48707-27

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

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 20:42	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.98 g 1 uL	10 mL 1 uL	91412 91416	09/21/24 17:36 09/22/24 20:42	TKC SM	EET MID EET MID

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Matrix: Solid

4

5

7

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11

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

	Bato	ch Bato	:h	Dil	Initial	Final	Batch	Prepared		
Prep Ty	/ре Туре	e Meth	nod Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Lead	ch DI Le	each		4.95 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Anal	lysis 300.	0	5	50 mL	50 mL	91328	09/21/24 00:32	CH	EET MID

Client Sample ID: BG-15 (0-1') Lab Sample ID: 880-48707-28

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

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 01:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 21:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 21:01	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 00:40	CH	EET MID

Client Sample ID: BG-15 (2') Lab Sample ID: 880-48707-29

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

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 02:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 21:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 21:21	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:06	CH	EET MID

Client Sample ID: BG-16 (0-1') Lab Sample ID: 880-48707-30

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 02:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 02:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 21:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 21:40	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:15	CH	EET MID

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Client Sample ID: BG-16 (2')

Lab Sample ID: 880-48707-31

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

Matrix: Solid

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

Lab Sample ID: 880-48707-32

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 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')

Lab Sample ID: 880-48707-33

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

Matrix: Solid

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

Lab Sample ID: 880-48707-34

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

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 04:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 04:59	SM	EET MID

Lab Chronicle

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

Client Sample ID: BG-18 (0-1')

Lab Sample ID: 880-48707-34 Date Collected: 09/13/24 00:00 Date Received: 09/19/24 11:40

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8015 NM Analysis 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 uL 1 uL 91416 09/22/24 23:17 SM **EET MID** 50 mL Soluble 91284 09/20/24 09:09 EET MID Leach DI Leach 5.02 g SA 300.0 91328 09/21/24 01:50 Soluble Analysis 1 50 mL 50 mL СН **EET MID**

Client Sample ID: BG-18 (2') Lab Sample ID: 880-48707-35

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 05:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 05:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 23:36	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:59	CH	EET MID

Client Sample ID: BG-19 (0-1') Lab Sample ID: 880-48707-36 Date Collected: 09/13/24 00:00 **Matrix: Solid**

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 05:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 05:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 23:55	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 03:56	CH	EET MID

Client Sample ID: BG-19 (2') Lab Sample ID: 880-48707-37

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

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 06:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 06:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 00:14	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.90 g 1 uL	10 mL 1 uL	91412 91416	09/21/24 17:36 09/23/24 00:14	TKC SM	EET MID EET MID

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Matrix: Solid

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Client: Carmona Resources

Project/Site: Spill #2

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

Lab Sample ID: 880-48707-37

Matrix: Solid

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

Client Sample ID: BG-19 (2')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 04:16	CH	EET MID

Client Sample ID: BG-20 (0-1') Lab Sample ID: 880-48707-38

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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 Date Received: 09/19/24 11:40

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

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 07:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 07:02	SM	EET 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 Sample ID: 880-48707-40 **Matrix: Solid**

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/20/24 22:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 22:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 22:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 22:38	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91341	09/21/24 04:56	CH	EET MID

Client Sample ID: BG-22 (0-1') Lab Sample ID: 880-48707-42

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/20/24 23:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 23:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 22:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 22:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 05:02	CH	EET MID

Client Sample ID: BG-22 (2') Lab Sample ID: 880-48707-43 **Matrix: Solid**

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/20/24 23:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 23:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 23:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91341	09/21/24 05:09	CH	EET MID

Client Sample ID: BG-23 (0-1') Lab Sample ID: 880-48707-44

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

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

SDG: Eddy County. New Mexico

Client Sample ID: BG-23 (0-1')

Lab Sample ID: 880-48707-44

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

Matrix: Solid

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

Lab Sample ID: 880-48707-45

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

Date Received: 09/19/24 11:40

Client Sample ID: BG-23 (2')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 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

Lab Sample ID: 880-48707-46

Matrix: Solid

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

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.01 g 5 mL 91229 09/19/24 13:47 MNR EET MID Total/NA 8021B 5 mL 5 mL 91278 09/21/24 00:27 MNR **EET MID** Analysis 1 Total/NA Total BTEX 91472 Analysis 1 09/21/24 00:27 SM **EET MID** Total/NA Analysis 8015 NM 91543 09/23/24 00:14 SM **EET MID** 1 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 uL 1 uL 91414 09/23/24 00:14 SM EET MID 1 Soluble Leach DI Leach 4.99 g 50 mL 91285 09/20/24 09:12 SA EET MID

Lab Sample ID: 880-48707-47 Client Sample ID: BG-24 (2')

50 mL

50 mL

91341

09/21/24 05:29

СН

20

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

Analysis

300.0

Soluble

Matrix: Solid

EET MID

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

Client: Carmona Resources

Project/Site: Spill #2

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

Lab Sample ID: 880-48707-47

Client Sample ID: BG-24 (2')

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

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 05:49	CH	EET MID

Client Sample ID: BG-25 (0-1') Lab Sample ID: 880-48707-48

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

Date Received: 09/19/24 11:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 01:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 00:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/23/24 00:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91341	09/21/24 05:56	CH	EET MID

Client Sample ID: BG-25 (2') Lab Sample ID: 880-48707-49

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 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 MIC
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/23/24 01:13	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	91285	09/20/24 09:12	SA	EET MIC
Soluble	Analysis	300.0		1	50 mL	50 mL	91341	09/21/24 06:16	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County. New Mexico

Laboratory: Eurofins Midland

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

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

4

5

7

10

12

13

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

2

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 (0-1)	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 (0-1) 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 (0-1) 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 (0-1)	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 (0-1) BG-20 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-40		Solid	09/13/24 00:00	09/19/24 11:40
880-48707-41	BG-21 (0-1') BG-21 (2')	Solid		
	BG-21 (2') BG-22 (0-1')		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

09/13/24 00:00

09/19/24 11:40

Solid

BG-25 (2')

880-48707-49

9/25/2024

ain of Custody

	Devin Dominguez			Bill to: (if different)	O	armona F	Carmona Resources		Work Orc	Work Order Comments
ompany Name: Carmona	Carmona Resources			Company Name:					Program: UST/PST PRP Br	PRP Brownflelds RRC Diperfund
ddress: 310 W Wa	310 W Wall St Ste 500			Address:					State of Project:	
ty, State ZIP: Midland, TX 79701	TX 79701			City, State ZIP:					Level III	
lone: 432-701-5475	5475		Email:	mcarmona@carmonaresources.com	monareso	Irces.co	E		Deliverables: EDD A	ADaPT Other:
oject Name:	Spill #2	#2	Turn	Around				ANALYSIS REQUEST	QUEST	Preservative Codes
roject Number:	2511	1	✓ Routine		Pres.	\vdash				None: NO DI Water: H ₂ O
roject Location	Eddy County, New Mexico	New Mexico	Due Date:	Standard		-				Cool: Cool MeOH: Me
ampler's Name:	DD & PB	PB				(OAI				HCL: HC HNO3: HN
.#.0					SIG	N + C				H ₂ SO ₄ : H ₂ NaOH: Na
AMPLE RECEIPT	Tomp Blank:	Ves No	Wet Ice:	Ves No	o jeu	_	0.00			H ₃ PO₄: HP
eceived intact:	Yes No	Thermometer ID.		XX	1818	+ 0	E ət			NaHSO₄: NABIS
ooler Custody Seals:	Yes No (M/A)	Correction Factor:		- 1	ed .	_	ohol			Na ₂ S ₂ O ₃ : NaSO ₃
ample Custody Seals:	Yes No N/A	Temperature Reading:		٥.			чэ			Zn Acetate+NaOH: Zn
otal Containers:)	Corrected Temperature:		1.3		108				NaOH+Ascorbic Acid: SAPC
Sample Identification	Date	Time	Soll	Water Comp	# of Cont	Hdl				Sample Comments
BG-1 (0-1')	9/13/2024		×	O	-	×	×			
BG-1 (2')	9/13/2024		×	O	-	×	×			
BG-2 (0-1')	9/13/2024		×	O	-	×	×			
BG-2 (2')	9/13/2024		×	O	-	×	×			
BG-3 (0-1')	9/13/2024		×	g	-	×	×			
BG-3 (2')	9/13/2024		×	O	-	×	×			
BG-4 (0-1')	9/13/2024		×	O	-	×	×			
BG-4 (2')	9/13/2024		×	တ	-	×	×			
BG-5 (0-1')	9/13/2024		×	O	-	×	×			
BG-6 (0-1')	9/13/2024		×	O	-	×	×			

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in of Custod

												raye	5
Devin Doming	zər			Bill to: (if dit	ferent)	Carm	ona Reso	rices		W	ork Order	Comments	
Carmona Resc	ources			Company	Vame:					Program: UST/PST P	RP Brow	Infields RRC	nberfund
310 W Wall St	Ste 500			Address:						State of Project:			
Midland, TX 79	1076			City, State	ZIP:					Reporting:Level II Lev	vel III □PS.		☐ Level IV ☐
432-701-5475			Email:	mcarmon	a@carmor	aresourc	es.com			Deliverables: EDD	ADaF		
	Spill	#2	Turn	Around				AN	LYSIS RE	EQUEST		Preserva	Preservative Codes
	251	11	✓ Routine	Rush	ı. Ö	es.						None: NO	DI Water: H ₂ O
Ш	ddy County,	New Mexico	Due Date:	Stand	ard		(Cool: Cool	MeOH: Me
	DD &	РВ					ORM 4					HCL: HC	NHO3: HORN
	no Blank:	Yes No	Wet Ice:	Yes	Т	_		0.0				H,PO,: HP	
	oN St	Thermometer ID:			Г		-	Ut a				NaHSO4: NABI	Ø
	No N/A	Correction Factor:				-		рио				Na ₂ S ₂ O ₃ : NaSC)3
	No N/A	Temperature Reading:				18	-	เนา				Zn Acetate+Na	OH: Zn
		Corrected Temperature:					108 1					NaOH+Ascorbi	c Acid: SAPC
ntification	Date	Time	Soll	Water	Grab/ #	of	1 q T					Sample	Sample Comments
; (2')	9/13/2024		×		တ	×	×	×					
(0-1')	9/13/2024		×		ဖ	- ×	×	×					
' (2')	9/13/2024		×		ပ	×	×	×					
(0-1')	9/13/2024		×		O	×	×	×					
1 (2')	9/13/2024		×		တ	×	×	×					
(0-1')	9/13/2024		×		တ	×	×	×					
(2,)	9/13/2024		×		9	1 ×	×	×					
(0-1')	9/13/2024		×		g	1 X	×	×					
0 (2')	9/13/2024		×		ŋ	1 ×	×	×					
(0-1')	9/13/2024		×		ပ	۲ ×	×	×					
iil to Mike Carm	ona / Mcarm	nona@carmonaresource	i O	nner Moe	_	oehring(Dearmon	aresources.com					
	Relinquis	hed by: (Signature)				Date	Time		R	aceived by: (Signature)		_	Date/Time
					4	114/34				4		O	0111 6
	Project Manager: Devin Doming Company Name: Carmona Resc Address: 310 W Wall St City, State ZIP: Midland, TX 75 Project Name: 432-701-5475 Project Location E Samplers Name: Project Location Sample Custody Seals: Yes Sample Custody Seals: Yes Sample Custody Seals: Yes Sample Gustody Seals: Yes BG-7 (0-1) BG-8 (0-1) BG-9 (0-1) BG-9 (0-1) BG-10 (0-1)	Devin Dominguez	Devin Dominguez	Spill #2 Spill #2	Spill #2 Spill #2	Spill for the atthemeny Name: Company Name:	Spill for the atthemeny Name: Company Name:	Spill for the atthemeny Name: Company Name:	Company Name Comp	Spill #12 Spil	Spile Spil	Spile Spil	10 M/486 See 500 Part Part

Page 89 of 92

Work Order No:

													Page 3	of 5
Project Manager: Devir	Devin Dominguez			Bill to: (if different)	ent)	Carmor	Carmona Resources	ses			W	ork Order	Work Order Comments	
	Carmona Resources			Company Name	ıme:					Prog	Program: UST/PST P	PRP Brow	Brownflelds RRC	Duperfund
Address: 310 V	310 W Wall St Ste 500			Address:						State	State of Project:			
City, State ZIP: Midla	Midland, TX 79701			City, State ZIP:	. <u>P</u> .					Repo	Reporting:Level II Level III DST/UST	rel III DS	T/UST TRRP	☐ Level IV ☐
Phone: 432-7	432-701-5475		Email:	Email: mcarmona@carmonaresources.com	@carmonar	esonices	COM.			Deliv	Deliverables: EDD	ADaPT	other:	
Project Name:	Spill #2	#2	Turn	Turn Around				4	ANALYSIS	ANALYSIS REQUEST			Preserva	Preservative Codes
Project Number:	2511	1	✓ Routine	Rush	Pres.								None: NO	DI Water: H ₂ O
Project Location	Eddy County, New Mexico	New Mexico	Due Date:	Standard									Cool: Cool	MeOH: Me
Sampler's Name:	DD & PB	PB					(ORIM						HCL: HC	HNO3: HN
PO#:					SJ		-						H2004: H2	Z COR
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes	S	18	DЯQ 0.00					-	H₃PO4: HP	
Received Intact:	Yes No	Thermometer ID:			91.911	208							NaHSO4: NABIS	S
Cooler Custody Seals:	Yes No N/A	Correction Factor:			ed .	ХЗТ	_					_	Na ₂ S ₂ O ₃ : NaSO ₃) ₃
Sample Custody Seals:	Yes No N/A	Temperature Reading:				8							Zn Acetate+NaOH: Zn	OH: Zn
Total Containers:		Corrected Temperature:					108						NaOH+Ascorbic Acid: SAPC	c Acid: SAPC
Sample Identification	tion Date	Time	Soll	Water	Grab/ # of Comp Cont		нат						Sample	Sample Comments
BG-11 (2')	9/13/2024		×		۵ 1	×	×							
BG-12 (0-1')	9/13/2024		×		0	×	×							
BG-12 (2')	9/13/2024		×		0	×	×							
BG-13 (0-1')	9/13/2024		×		0	×	×							
BG-13 (2')	9/13/2024		×		۵ -	×	×							
BG-14 (0-1')	9/13/2024		×		0	×	×							
BG-14 (2')	9/13/2024		×		1	×	×							
BG-15 (0-1')	9/13/2024		×		1	×	×							
BG-15 (2')	9/13/2024		×		٦ 1	×	×							
BG-16 (0-1')	9/13/2024		×		G 1	×	×		_					
Comments: Email to M	like Carmona / Mcarm	omments: Email to Mike Carmona / Mcarmona@carmonaresources.com and	O	nner Moeh	ring / Cmo	shring@c	armonar	onner Moehring / Cmoehring@carmonaresources.com	E					
	Relinquis	Relinquished by: (Signature)				Date/Time	me			Received	Received by: (Signature)		-	Date/Time
					100	4/14/19/1				1			0	(1100)
									1				-	

Project Manager:	Devin Dominguez				Bill to: (if different)	(Jerent)	Carr	Carmona Resources	ources					Work O	Work Order Comments	ts	
Company Name:	Carmona Resources	Se			Company Name:	Name:						8	Program: UST/PST	PRP	Brownflelds [DRRC D	nperfund
Address:	310 W Wall St Ste 500	200			Address:							Sta	State of Project:				
City, State ZIP:	Midland, TX 79701				City, State ZIP:	ZIP:						Rep	Reporting:Level II Level III DST/UST	☐ Level III		D'RRP D	☐ Level IV ☐
Phone:	432-701-5475			Email:	mcarmon	mcarmona@camonaresources.com	aresourc	es.com					Deliverables: EDD		ADaPT	Other:	
Project Name:		Spill #2	#2	Turn	Turn Around					A	ALYSIS I	ANALYSIS REQUEST	_		Pre	Preservative Codes	Codes
Project Number:		2511	1	✓ Routine	Rush	ı ö	Pres. Code								None: NO		DI Water: H ₂ O
Project Location	Eddy (County, I	Eddy County, New Mexico	Due Date:	Standard										Cool: Cool		MeOH: Me
Sampler's Name:		DD & PB	PB					(оы							HCL: HC		HNO3: HN
PO #:							RI	W +							H ₂ SO ₄ : H ₂		NaOH: Na
SAMPLE RECEIPT	:IPT Temp Blank:	lank:	Yes No	Wet Ice:	Yes	S.	181	ово	0.00						H3PO4: HP	<u>a</u> .	
Received Intact:	Yes	No	Thermometer ID:				802	+0)£ ət			_			NaHSO₄: NABIS	NABIS	
Cooler Custody Seals:	ils: Yes No	N/A	Correction Factor:				_	ชอ)	phol				_		Na ₂ S ₂ O ₃ : NaSO ₃	NaSO ₃	
Sample Custody Seals:	als: Yes No	N/A	Temperature Reading:				.8	WS	сч					_	Zn Acetat	Zn Acetate+NaOH: Zn	-
Total Containers:			Corrected Temperature:					108 1							NaOH+As	NaOH+Ascorbic Acid: SAPC	SAPC
Sample Identification	ntification	Date	Time	Soli	Water	Grab/ #	# of Cont	нат							San	Sample Comments	nents
BG-16 (2')		9/13/2024		×		9	×	×	×			-					
BG-17 (0-1')		9/13/2024		×		g	×	×	×								
BG-17 (2')		9/13/2024		×		ပ	×	×	×								
BG-18 (0-1')		9/13/2024		×		တ	+ ×	×	×								
BG-18 (2')		9/13/2024		×		ပ	×	×	×								
BG-19 (0-1')		9/13/2024		×		ပ	- ×	×	×								
BG-19 (2')		9/13/2024		×		တ	×	×	×								
BG-20 (0-1')		9/13/2024		×		O	1 ×	×	×								
BG-20 (2')		9/13/2024		×		9	1 X	×	×								
BG-21 (0-1')		9/13/2024		×		၅	X X	×	×								
Comments: Ema	il to Mike Carmona	/ Mcarm	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	es.com and Co	nner Moe	hring / Cm	oehring(gcarmo	naresourc	ces.com							
		Relinquist	Relinquished by: (Signature)				Date	Date/Time				Received	Received by: (\$) ignature)	(e)		, Date	Date/Time
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Login Sample Receipt Checklist

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

SDG Number: Eddy County. New Mexico

Login Number: 48707 List Source: Eurofins Midland

List Number: 1 Creator: Vasquez, Julisa

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

Released to Imaging: 12/6/2024 1:53:02 PM

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/30/2024 3:18:46 PM

JOB DESCRIPTION

Spill #2 Eddy County, New Mexico

JOB NUMBER

880-48778-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 9/30/2024 3:18:46 PM

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

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Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies
Page 2 of 20
9/30/2024

Client: Carmona Resources Project/Site: Spill #2 Laboratory Job ID: 880-48778-1 SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-48778-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

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Qualifiers

GC VOA

Qualifier Qualifier Description

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

GC Semi VOA

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

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

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
POL Prestign Quantitation Lie

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources

Job ID: 880-48778-1

Project: Spill #2

Job ID: 880-48778-1

Eurofins Midland

Job Narrative 880-48778-1

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

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

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

Receipt

The sample was received on 9/20/2024 1:45 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-91106 and analytical batch 880-91395 was outside the upper control limits.

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

Diesel Range Organics

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources Job ID: 880-48778-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

Client Sample ID: Playa Lake Water

Date Collected: 09/20/24 00:00 Date Received: 09/20/24 13:45 Lab Sample ID: 880-48778-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 09:26	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 - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/L			09/22/24 09:26	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Total TPH	<5.23	U	5.23		mg/L			09/24/24 03:47	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (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	Chromatograp	ohy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88800		1000		mg/L			09/21/24 02:49	2000

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources

Job ID: 880-48778-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

•				Percent Surrogate Rec
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48712-C-1 MS	Matrix Spike	112	100	
880-48712-C-1 MSD	Matrix Spike Duplicate	110	95	
880-48778-1	Playa Lake Water	111	104	
LCS 880-91395/34	Lab Control Sample	112	102	
LCSD 880-91395/35	Lab Control Sample Dup	108	97	
MB 880-91106/5-A	Method Blank	137 S1+	83	
MB 880-91395/39	Method Blank	166 S1+	96	
Surrogate Legend				
BFB = 4-Bromofluoroben	zene (Surr)			

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

Matrix: Water Prep Type: Total/NA

_				Percent Surrogate Recovery (Acceptance Lim
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-135)	(70-135)	
880-48778-1	Playa Lake Water	100	112	
LCS 860-188846/2-A	Lab Control Sample	100	91	
MB 860-188846/1-A	Method Blank	100	102	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

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

Matrix: Water Prep Type: Total/NA

_				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID			
LCSD 860-188846/3-A	Lab Control Sample Dup			
Surrogate Legend				

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Client: Carmona Resources Job ID: 880-48778-1 SDG: Eddy County, New Mexico Project/Site: Spill #2

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91106/5-A

Matrix: Water Analysis Batch: 91395 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91106

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Toluene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
o-Xylene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	09/18/24 12:36	09/21/24 16:06	1
1,4-Difluorobenzene (Surr)	83		70 - 130	09/18/24 12:36	09/21/24 16:06	1

Lab Sample ID: MB 880-91395/39

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Method Blank

Prep Type: Total/NA

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1

MB MB

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	166	S1+	70 - 130		09/22/24 03:43	1
١	1,4-Difluorobenzene (Surr)	96		70 - 130	(09/22/24 03:43	1

Lab Sample ID: LCS 880-91395/34

Matrix: Water

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 91395

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

Client Sample ID: Lab Control Sample Dup

Spike LCS LCS %Rec Added Result Qualifier Unit %Rec Limits 0.100 0.08945 mg/L 89 70 - 130 0.100 0.07725 mg/L 77 70 - 130 0.100 0.08740 mg/L 87 70 - 130 0.200 70 - 130 0.1849 mg/L 92 0.100 0.09525 70 - 130 mg/L 95

LCS LCS

Surrogate	%Recovery Qualific	er Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: LCSD 880-91395/35

Matrix: Water

Analysis Batch: 91395

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09007		mg/L		90	70 - 130	1	20

Eurofins Midland

Prep Type: Total/NA

Client: Carmona Resources Job ID: 880-48778-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-91395/35

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D Toluene 0.100 0.08554 86 70 - 130 20 ma/L 10 Ethylbenzene 0.100 0.09203 mg/L 92 70 - 130 5 20 0.200 0.1643 mg/L 82 70 - 130 20 m-Xylene & p-Xylene 12 o-Xylene 0.100 0.08217 mg/L 82 70 - 130 15 20

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-48712-C-1 MS

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Matrix Spike

Prep Type: Total/NA

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene 0.09012 <0.00200 0.100 mg/L 90 70 - 130 Toluene <0.00200 0.100 0.08278 83 70 - 130 U mg/L 0.100 0.08268 70 - 130 Ethylbenzene <0.00200 mg/L 83 <0.00400 U 0.200 0.1721 86 70 - 130 m-Xylene & p-Xylene mg/L o-Xylene <0.00200 U 0.100 0.08968 mg/L 90 70 - 130

MS MS

Surrogate	%Recovery Quality	tier Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: 880-48712-C-1 MSD

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Sample Sample MSD MSD %Rec RPD Spike Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene <0.00200 U 0.100 0.09144 mg/L 91 70 - 130 25 Toluene <0.00200 U 0.100 0.08947 mg/L 89 70 - 130 8 25 Ethylbenzene <0.00200 U 0.100 0.09520 mg/L 95 70 - 130 14 25 <0.00400 U 0.200 0.1827 91 70 - 130 25 m-Xylene & p-Xylene mg/L 6 0.100 o-Xylene <0.00200 U 0.09854 mg/L 70 - 130 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

мв мв Analyte Result Qualifier RL MDL Unit Prepared Analyzed <5.00 U 5.00 09/23/24 08:22 09/25/24 08:53 Gasoline Range Organics mg/L

(GRO)-C6-C10

Client: Carmona Resources Job ID: 880-48778-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 860-188846/1-A **Matrix: Water**

Analysis Batch: 189324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 188846

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<5.00	U	5.00	mg/L		09/23/24 08:22	09/25/24 08:53	1
C10-C28) Oil Range Organics (Over C28-C36)	<5.00	U	5.00	mg/L		09/23/24 08:22	09/25/24 08:53	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 135	09/23/24 08:22	09/25/24 08:53	1
o-Terphenyl	102		70 - 135	09/23/24 08:22	09/25/24 08:53	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-188846/2-A **Matrix: Water** Prep Type: Total/NA Analysis Batch: 189324 **Prep Batch: 188846** LCS LCS

Spike Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 100 105.0 105 70 - 135 mg/L (GRO)-C6-C10 100 102.3 Diesel Range Organics (Over 102 70 - 135mg/L C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 135
o-Terphenvl	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**

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	100	107.2		mg/L					
(GRO)-C6-C10									
Diesel Range Organics (Over	100	106.1		mg/L					
C10-C28)									

LCSD LCSD

Surrogate %Recovery Qualifier Limits

1-Chlorooctane

o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91065/3 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 91065

мв мв RL MDL Unit D Prepared Analyzed

Analyte Result Qualifier Dil Fac Chloride <0.500 U 0.500 09/20/24 23:48 mg/L

Eurofins Midland

Released to Imaging: 12/6/2024 1:53:02 PM

Client: Carmona Resources

Job ID: 880-48778-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-91065/4

Matrix: Water

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

Analysis Batch: 91065

 Analyte
 Added Chloride
 Result 25.0
 Qualifier LCS
 Unit Mg/L
 D
 %Rec MRec
 Limits MRec

Lab Sample ID: LCSD 880-91065/5

Client Sample ID: Lab Control Sample Dup
Matrix: Water

Prep Type: Total/NA

Analysis Batch: 91065

Spike LCSD LCSD %Rec RPD Added RPD Limit Analyte Result Qualifier Unit D %Rec Limits Chloride 25.0 24.29 mg/L 97 90 - 110 0

Lab Sample ID: 880-48492-A-2 MS Client Sample ID: Matrix Spike

Matrix: Water Prep Type: Total/NA

Analysis Batch: 91065

%Rec Spike MS MS Sample Sample Analyte Result Qualifier Added Result Qualifier Unit Limits Chloride 634 1250 1884 100 90 - 110 mg/L

Lab Sample ID: 880-48492-A-2 MSD

Matrix: Water

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

Matrix. Water

Analysis Batch: 91065

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Qualifier Unit %Rec RPD Limit Result Limits 1250 1883 Chloride 634 100 90 - 110 20 mg/L

QC Association Summary

Client: Carmona Resources

Job ID: 880-48778-1
Project/Site: Spill #2

SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 91106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91106/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 91395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	8021B	
MB 880-91106/5-A	Method Blank	Total/NA	Water	8021B	91106
MB 880-91395/39	Method Blank	Total/NA	Water	8021B	
LCS 880-91395/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-91395/35	Lab Control Sample Dup	Total/NA	Water	8021B	
880-48712-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-48712-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 91484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	Total BTEX	

GC Semi VOA

Analysis Batch: 188805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	8015B NM	188846

Prep Batch: 188846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	8015NM Aq Prep	
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Ag Prep	

Analysis Batch: 189324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015B NM	188846
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015B NM	188846
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	188846

Analysis Batch: 189832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	8015 NM	

HPLC/IC

Analysis Batch: 91065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-48778-1	Playa Lake Water	Total/NA	Water	300.0	
MB 880-91065/3	Method Blank	Total/NA	Water	300.0	
LCS 880-91065/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-91065/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-48492-A-2 MS	Matrix Spike	Total/NA	Water	300.0	
880-48492-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Lab Chronicle

Client: Carmona Resources Job ID: 880-48778-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

Client Sample ID: Playa Lake Water

Lab Sample ID: 880-48778-1 Date Collected: 09/20/24 00:00 Matrix: Water Date Received: 09/20/24 13:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8021B		1	5 mL	5 mL	91395	09/22/24 09:26	MNR	EET MID	
Total/NA	Analysis	Total BTEX		1			91484	09/22/24 09:26	SM	EET MID	
Total/NA	Analysis	8015 NM		1			189832	09/24/24 03:47	TTD	EET HOU	
Total/NA	Prep	8015NM Aq Prep			28.7 mL	3 mL	188846	09/23/24 08:22	TH	EET HOU	
Total/NA	Analysis	8015B NM		1			188805	09/24/24 03:47	W1N	EET HOU	
Total/NA	Analysis	300.0		2000			91065	09/21/24 02:49	СН	EET MID	

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources Job ID: 880-48778-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

ıthority	Prograi	m	Identification Number	Expiration Date		
xas	NELAP		T104704400	06-30-25		
for which the agency	loes not offer certification.	,	ied by the governing authority. This lis	t may include analytes		
	•	the laboratory is not certif Matrix Water	ied by the governing authority. This list Analyte Chloride	t may include analytes		

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

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Sample Summary

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48778-1

SDG: Eddy County, New Mexico

Lab Sample ID	ab Sample ID Client Sample ID		Collected	Received
880-48778-1	Playa Lake Water	Water	09/20/24 00:00	09/20/24 13:45

880-48778 Chain of Custody	_ _	PRP Prownfields RRC Depertund		DST/UST TRRP □ Level IV □	ADaPT Other.	Preservative Codes	None: NO DI Water: H ₂ O	COOL. COOL MOOH: Me HCL: HC HNO3: HN	0	NaHSO. NABIS	Na ₂ S ₂ O ₃ : NaSO ₃	Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments							j Date/πme	9/10 1345	,				
>	Work	Program: UST/PST PRP	State of Project:	Reporting:Level III Level III DST/UST	Deliverables: EDD	REQUEST															Received by: (Signature)						
	SS					ANALYSIS REQUEST														sources, com	(4	\				
Chain of Custody	Carmona Resources				gources.com			(ОЯМ	BTEX 8021B TPH 8015M (GRO + DRO + MRO)			× × ×					hring@carmonare	Date/Time	4(30/37								
Chain of	Bill to: (if different)	Company Name:	Address:	City, State ZIP:	Email: mcarmona@carmonaresources.com		Rush Code	Standard	S S S S S S S S S S S S S S S S S S S	N N	Ped 1		1.60	Water Grab/ # of Comp Cont	9 9 X		_			ner Moehring / Cmoel		8/b					
				A	Adı		A O	ö	Email:	Turn Around	✓ Routine	Due Date:	Wet Ice					Soil						ces.com and Con			
						2		ew Mexico	ON Sey	Thermometer ID:	Correction Factor:	Temperature Reading:	Corrected Temperature:	Time						na@camonaresour	Relinquished by: (Signature)						
	minguez	Carmona Resources	310 W Wall St Ste 500	Midland, TX 79701	5475	Spill #2	2511	Eddy County, New Mexico DD & PB	Temo Blank:	es No	1	*		Date	9/20/2024					Camona / Mcarmo	Relinquish	Ch.					
	Project Manager: Devin Dominguez			S ZIP:	Phone: 432-701-5475	Project Name:	roject Number:	Project Location Sampler's Name:	SAMPLE RECEIPT	Received Intact:	Seals:	Seals:	Fotal Containers:	Sample Identification	Playa Lake Water					Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com							

Page 17 of 20

Midland, TX 79701

1211 W Florida Ave

Eurofins Midland

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Chain of Custody Record

eurofins

Environment Testing

Project Name: Spill #2 State, Zip: TX, 77477 Stafford Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not ourrently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC. 281-240-4200(Tel) Phone: 432-704-5440 Relinquished Sample Identification Client ID (Lab ID) Empty Kit Relinquished by Deliverable Requested: I, II, III, IV Other (specify) ossible Hazard Identification Diaya Lake Water (880-48778-1) Custody Seals

A Yes A ddress: 145 Greenbriar Dr nconfirmed rofins Environment Testing South Centr lent Information pping/Receiving intact Š (Sub Contract Lab) Custody Seal No. Sampler Project #: 88001287 Date/Time: PO # TAT Requested (days): Due Date Requested: 9/26/2024 Date/Time Date/Time: ¥0 # Primary Deliverable Rank: 2 9/20/24 Date: Mountain (C=comp, G=grab) Sample Type Preservation Code: ၈ Company Company Company Matrix Water Lab PM: Kramer Jessica E-Mail: Jessica.Kramer@et.eurofinsus.com Field Filtered Sample (Yes or No) Accreditations Required (See note): NELAP Texas Perform MS/MSD (Yes or No) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Month Special Instructions/QC Requirements: Received by: 8015MOD_NM/8015NM_Aq_Prep Full TPH Received by: Received by: × × 8015MOD_Calc Gre(s) °C and Other Remarks: Analysis Requested State of Origin: New Mexico Carrier Tracking No(s): Method of Shipment Date/Time: 4.21-2- 1278 Date/Time: Total Number of containers Page: Page 1 of 1 COC No: 880-11391 1 Preservation Codes: 380-48778-1 Special Instructions/Note: Company Company Company Ver: 05/06/2024 Months

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-48778-1

SDG Number: Eddy County, New Mexico

List Source: Eurofins Midland

Login Number: 48778 List Number: 1

Creator: Vasquez, Julisa

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

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-48778-1

SDG Number: Eddy County, New Mexico

Login Number: 48778 **List Source: Eurofins Houston** List Number: 2

List Creation: 09/21/24 01:11 PM

Creator: Baker, Jeremiah

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

Released to Imaging: 12/6/2024 1:53:02 PM

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/30/2024 3:13:35 PM

JOB DESCRIPTION

Spill #2 Eddy County, New Mexico

JOB NUMBER

880-48773-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 9/30/2024 3:13:35 PM

Authorized for release by Jessica Kramer, Project Manager 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

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Definitions/Glossary

Job ID: 880-48773-1 Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

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

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources

Job ID: 880-48773-1

Project: Spill #2

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

Job ID: 880-48773-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Client Sample ID: Water Bridge Riser Water

Date Collected: 09/20/24 00:00 Date Received: 09/20/24 13:45 Lab Sample ID: 880-48773-1 Matrix: Water

ater

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 Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	4.76		0.0400		mg/L			09/22/24 07:16	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
	•	ics (DRO) (Qualifier	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Dieso Analyte Total TPH	•	Qualifier	•	MDL	Unit mg/L	<u>D</u>	Prepared	Analyzed 09/24/24 02:39	
Analyte	Result <4.95	Qualifier U	RL 4.95	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die	Result <4.95	Qualifier U	RL 4.95	MDL	mg/L	<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Die Analyte	Result <4.95	Qualifier U unics (DRO) Qualifier	RL 4.95		mg/L		<u> </u>	09/24/24 02:39	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <4.95 sel Range Orga	Qualifier U unics (DRO) Qualifier	(GC)		mg/L Unit		Prepared	09/24/24 02:39 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <4.95 sel Range Orga	Qualifier U unics (DRO) Qualifier U	(GC)		mg/L Unit		Prepared	09/24/24 02:39 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <4.95 sel Range Orga Result <4.95 <4.95	Qualifier U unics (DRO) Qualifier U	RL 4.95 (GC) RL 4.95 4.95		mg/L Unit mg/L mg/L		Prepared 09/23/24 08:22 09/23/24 08:22	09/24/24 02:39 Analyzed 09/24/24 02:39 09/24/24 02:39	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <4.95 sel Range Orga Result <4.95	Qualifier U unics (DRO) Qualifier U	RL 4.95 (GC) RL 4.95		mg/L Unit mg/L		Prepared 09/23/24 08:22	09/24/24 02:39 Analyzed 09/24/24 02:39	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U unics (DRO) Qualifier U U	RL 4.95 (GC) RL 4.95 4.95		mg/L Unit mg/L mg/L		Prepared 09/23/24 08:22 09/23/24 08:22 09/23/24 08:22 Prepared	Analyzed 09/24/24 02:39 Analyzed 09/24/24 02:39 09/24/24 02:39 09/24/24 02:39 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U unics (DRO) Qualifier U U	RL 4.95 (GC) RL 4.95 4.95		mg/L Unit mg/L mg/L		Prepared 09/23/24 08:22 09/23/24 08:22 09/23/24 08:22	09/24/24 02:39 Analyzed 09/24/24 02:39 09/24/24 02:39 09/24/24 02:39	Dil Fac
Analyte Total TPH	Result	Qualifier U unics (DRO) Qualifier U U	RL 4.95 (GC) RL 4.95 4.95 4.95		mg/L Unit mg/L mg/L		Prepared 09/23/24 08:22 09/23/24 08:22 09/23/24 08:22 Prepared	Analyzed 09/24/24 02:39 Analyzed 09/24/24 02:39 09/24/24 02:39 09/24/24 02:39 Analyzed	
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U unics (DRO) Qualifier U U Qualifier	RL 4.95 (GC) RL 4.95 4.95 4.95 Limits 70 - 135		mg/L Unit mg/L mg/L		Prepared 09/23/24 08:22 09/23/24 08:22 09/23/24 08:22 Prepared 09/23/24 08:22	09/24/24 02:39 Analyzed 09/24/24 02:39 09/24/24 02:39 09/24/24 02:39 Analyzed 09/24/24 02:39	Dil Fac

500

mg/L

63600

09/21/24 02:35

1000

Chloride

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources

Job ID: 880-48773-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48712-C-1 MS	Matrix Spike	112	100	
880-48712-C-1 MSD	Matrix Spike Duplicate	110	95	
880-48773-1	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				

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

Matrix: Water Prep Type: Total/NA

-				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-135)	(70-135)	
880-48773-1	Water Bridge Riser Water	102	104	
LCS 860-188846/2-A	Lab Control Sample	100	91	
MB 860-188846/1-A	Method Blank	100	102	
Surrogate Legend				
1CO = 1-Chlorooctane				

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

Matrix: Water Prep Type: Total/NA

_		1001	ОТРН1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID			
LCSD 860-188846/3-A	Lab Control Sample Dup			
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

OTPH = o-Terphenyl

Client: Carmona Resources Job ID: 880-48773-1 SDG: Eddy County, New Mexico Project/Site: Spill #2

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91106/5-A

Matrix: Water Analysis Batch: 91395 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91106

ı		МВ	MB							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
	Toluene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
	Ethylbenzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
	m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
	o-Xylene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
	Xylenes, Total	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
П										

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	09/18/24 12:36	09/21/24 16:06	1
1,4-Difluorobenzene (Surr)	83		70 - 130	09/18/24 12:36	09/21/24 16:06	1

Lab Sample ID: MB 880-91395/39

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Method Blank

Prep Type: Total/NA

09/22/24 03:43

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1

0.00400

mg/L

MB MB

<0.00400 U

Surrogate	%Recovery	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

Matrix: Water

Xylenes, Total

Analysis Batch: 91395

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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08945		mg/L	_	89	70 - 130	
Toluene	0.100	0.07725		mg/L		77	70 - 130	
Ethylbenzene	0.100	0.08740		mg/L		87	70 - 130	
m-Xylene & p-Xylene	0.200	0.1849		mg/L		92	70 - 130	
o-Xylene	0.100	0.09525		mg/L		95	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1.4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: LCSD 880-91395/35

Matrix: Water

Analysis Batch: 91395

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

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09007		mg/L		90	70 - 130	1	20

Client: Carmona Resources Job ID: 880-48773-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-91395/35

Matrix: Water Analysis Batch: 91395 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier Ur	it D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.08554	mç	g/L	86	70 - 130	10	20
Ethylbenzene	0.100	0.09203	mç	g/L	92	70 - 130	5	20
m-Xylene & p-Xylene	0.200	0.1643	mç	g/L	82	70 - 130	12	20
o-Xylene	0.100	0.08217	mç	g/L	82	70 - 130	15	20

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-48712-C-1 MS Client Sample ID: Matrix Spike

Matrix: Water

Analysis Batch: 91395

Prep Type: Total/NA

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene 0.09012 <0.00200 0.100 mg/L 90 70 - 130 Toluene <0.00200 U 0.100 0.08278 83 70 - 130 mg/L Ethylbenzene 0.100 0.08268 <0.00200 U mg/L 83 70 - 130 <0.00400 U 0.200 0.1721 86 70 - 130 m-Xylene & p-Xylene mg/L 70 - 130 o-Xylene <0.00200 U 0.100 0.08968 mg/L 90

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: 880-48712-C-1 MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 91395

Sample Sample MSD MSD %Rec RPD Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Benzene <0.00200 0.100 0.09144 mg/L 91 70 - 130 25 Toluene <0.00200 U 0.100 0.08947 mg/L 89 70 - 130 8 25 Ethylbenzene <0.00200 U 0.100 0.09520 mg/L 95 70 - 130 14 25 0.200 0.1827 91 70 - 130 25 m-Xylene & p-Xylene <0.00400 U mg/L 6

0.09854

mg/L

0.100

MSD MSD

<0.00200 U

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

o-Xylene

Analysis Batch: 189324

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

70 - 130

Prep Batch: 188846

25

MB MB Analyte Result Qualifier RL MDL Unit Prepared Analyzed <5.00 U 5.00 09/23/24 08:22 09/25/24 08:53 Gasoline Range Organics mg/L

(GRO)-C6-C10

Client: Carmona Resources Job ID: 880-48773-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 860-188846/1-A **Matrix: Water**

Analysis Batch: 189324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 188846

ı										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics (Over	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1
	C10-C28)									
	Oil Range Organics (Over C28-C36)	<5.00	U	5.00	1	mg/L		09/23/24 08:22	09/25/24 08:53	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 135	09/23/24 08:22	09/25/24 08:53	1
o-Terphenyl	102		70 - 135	09/23/24 08:22	09/25/24 08:53	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-188846/2-A **Matrix: Water** Prep Type: Total/NA Analysis Batch: 189324 **Prep Batch: 188846** LCS LCS

Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 100 105.0 105 70 - 135 mg/L (GRO)-C6-C10 100 102.3 102 Diesel Range Organics (Over 70 - 135mg/L C10-C28)

LCS LCS

Surrogate	%Recovery	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 Du	ıp
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Prep Type: Total/NA

Prep Batch: 188846

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	100	107.2		mg/L					
(GRO)-C6-C10									
Diesel Range Organics (Over	100	106.1		mg/L					
C10-C28)									

LCSD LCSD

Surrogate %Recovery Qualifier Limits

1-Chlorooctane

o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91065/3 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 91065

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D)	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500		mg/L				09/20/24 23:48	1

Lab Sample ID: LCS 880-91065/4

Lab Sample ID: LCSD 880-91065/5

Matrix: Water

Matrix: Water

Analysis Batch: 91065

Analysis Batch: 91065

QC Sample Results

Client: Carmona Resources Job ID: 880-48773-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 25.0 24.24 mg/L 97 90 - 110

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Spike LCSD LCSD %Rec RPD Added RPD Limit Analyte Result Qualifier Unit D %Rec Limits Chloride 25.0 24.29 mg/L 97 90 - 110 0

Lab Sample ID: 880-48492-A-2 MS Client Sample ID: Matrix Spike

Matrix: Water Prep Type: Total/NA

Analysis Batch: 91065

%Rec Spike MS MS Sample Sample Analyte Result Qualifier Added Result Qualifier Unit Limits Chloride 634 1250 1884 100 90 - 110 mg/L

Lab Sample ID: 880-48492-A-2 MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 91065

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Qualifier Unit %Rec RPD Limit Result Limits 1250 1883 Chloride 634 100 90 - 110 20 mg/L

QC Association Summary

Client: Carmona Resources

Job ID: 880-48773-1
Project/Site: Spill #2

SDG: Eddy County, New Mexico

GC VOA

Prep Batch:	91106
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91106/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 91395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	8021B	
MB 880-91106/5-A	Method Blank	Total/NA	Water	8021B	91106
MB 880-91395/39	Method Blank	Total/NA	Water	8021B	
LCS 880-91395/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-91395/35	Lab Control Sample Dup	Total/NA	Water	8021B	
880-48712-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-48712-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 91482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	Total BTEX	

GC Semi VOA

Analysis Batch: 188805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	8015B NM	188846

Prep Batch: 188846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	8015NM Aq Prep	
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Ag Prep	

Analysis Batch: 189324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015B NM	188846
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015B NM	188846
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	188846

Analysis Batch: 189831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	8015 NM	

HPLC/IC

Analysis Batch: 91065

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-48773-1	Water Bridge Riser Water	Total/NA	Water	300.0	
MB 880-91065/3	Method Blank	Total/NA	Water	300.0	
LCS 880-91065/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-91065/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-48492-A-2 MS	Matrix Spike	Total/NA	Water	300.0	
880-48492-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Lab Chronicle

Client: Carmona Resources Job ID: 880-48773-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

Client Sample ID: Water Bridge Riser Water

Lab Sample ID: 880-48773-1 Date Collected: 09/20/24 00:00 Date Received: 09/20/24 13:45

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		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

Job ID: 880-48773-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	1	Identification Number	Expiration Date
exas exas	NELAP		T104704400	06-30-25
The following analy	too are included in this report but t			
	y does not offer certification.	ne laboratory is not certif	ied by the governing authority. This lis	t may include analytes
	•	ne laboratory is not certir Matrix	led by the governing authority. This its	t may include analyte:
for which the agend	y does not offer certification.	•	, , , , , , , , , , , , , , , , , , , ,	t may include analyte:

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 08-03-25		
Arkansas DEQ	State	88-00759			
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		

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IS

Method Summary

Client: Carmona Resources Project/Site: Spill #2

Method

8021B

Total BTEX 8015 NM

8015B NM

8015NM Aq Prep

300.0

5030B

Job ID: 880-48773-1

SDG: Eddy County, New Mexico

EET MID

EET HOU

Protocol	Laboratory
SW846	EET MID
TAL SOP	EET MID
SW846	EET HOU
SW846	EET HOU
EPA	EET MID

SW846

SW846

Protocol References:

EPA = US Environmental Protection Agency

Purge and Trap

Microextraction

Method Description

Total BTEX Calculation

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Anions, Ion Chromatography

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48773-1

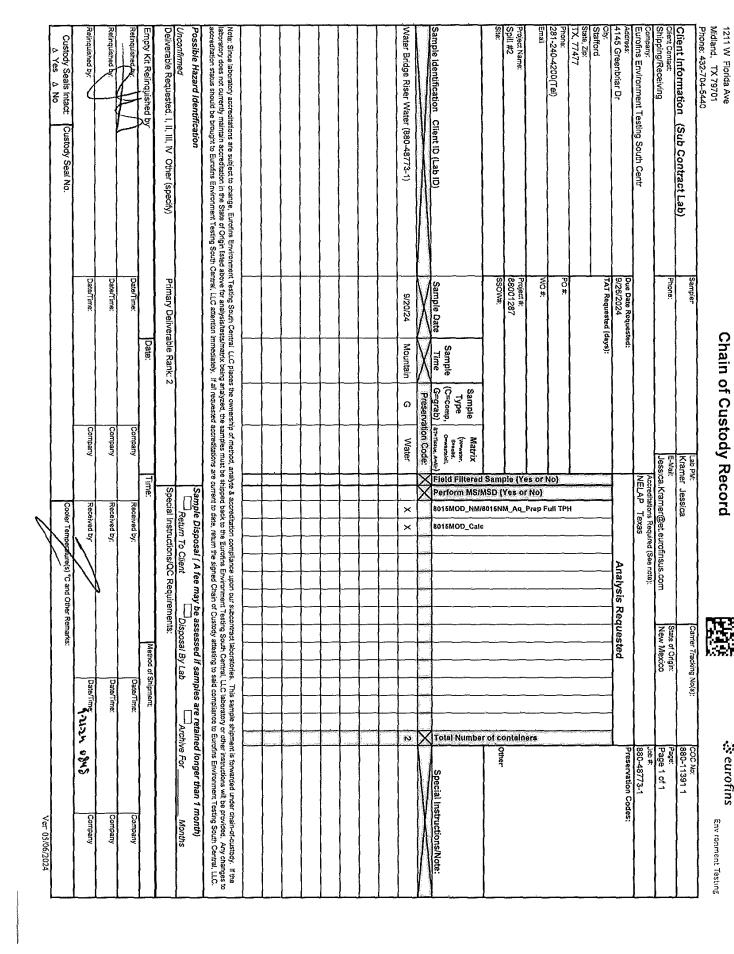
SDG: Eddy County, New Mexico

Lab Sample ID	b Sample ID Client Sample ID		Collected	Received
880-48773-1	Water Bridge Riser Water	Water	09/20/24 00:00	09/20/24 13:45

stody Page 1 of 1	Work Order Comments	wnfields RRC Diperfund		ST/UST TRRP Level IV	ADaPT ☐ Other:	Preservative Codes	None: NO DI Water: H ₂ O		H ₂ S0 ₄ : H ₂ NaOH: Na	H₃PO₄; HP	NaHSO ₄ : NABIS	Negota Negota	An Acetate+NaOH: An NaOH+Ascorbic Acid; SAPC	Sample Comments						Dotoffino	9/10 1345
880-48773 Chain of Custody	Work Orde	Program: UST/PST PRP Prownfields RRC	State of Project:	vel III	Deliverables: EDD	EQUEST														Doceived by (Signature)	derect by (digitature)
	Se					ANALYSIS REQUEST													sources.com		
Chain of Custody	Carmona Resources				esources.com				1+	ОЯС	X 802-	9) V	N2108		× ×				hring@carmonare	Octob City	0/34
Chain of	Bill to: (if different)	Company Name:	Address:	City, State ZIP:	Email: mcarmona@carmonaresources.com	Turn Around	Rush Code	Standard	s.i	Yes	A A Saram		9	Water Grab/ # of	+				ner Moehring / Cmoe		4/20/
	1	0		0	Email: 1	Tum	■ Routine	Due Date:		Wet loe:				Soil					rces.com and Con		
								ew Mexico B		Yes	Thermometer ID.	Correction Factor.	l emperature Reading: Corrected Temperature:	Time					na@carmonaresou	by (Cianatura)	Maintainean Dr. (Oighranne)
	inguez	esources	310 W Wall St Ste 500	79701	75	Spill #2	2511	Eddy County, New Mexico DD & PB		Jego Blank:	No No	NA NA	Yes No NA	Date	9/20/2024				мтопа / Мсагто	deimodico	
	roject Manager: Devin Dominguez	company Name: Carmona Resources		le ZIP:		roject Name:	roject Number:	roject Location ampler's Name:		AMPLE RECEIPT	H	+	otal Containers:	Sample Identification	Water Bridge Riser Water				omments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com		

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Eurofins Midland



9/30/2024

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48773-1

SDG Number: Eddy County, New Mexico

List Source: Eurofins Midland

Login Number: 48773 List Number: 1

Creator: Vasquez, Julisa

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

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Eurofins Midland
Page 19 of 20

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-48773-1

SDG Number: Eddy County, New Mexico

Login Number: 48773 **List Source: Eurofins Houston** List Number: 2

List Creation: 09/21/24 01:11 PM

Creator: Baker, Jeremiah

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

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Midland, Texas 79701

Generated 9/30/2024 3:18:55 PM

JOB DESCRIPTION

Spill #2 Eddy County, New Mexico

JOB NUMBER

880-48777-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 9/30/2024 3:18:55 PM

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

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Client: Carmona Resources Project/Site: Spill #2 Laboratory Job ID: 880-48777-1 SDG: Eddy County, New Mexico

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Definitions/Glossary

Job ID: 880-48777-1 Client: Carmona Resources Project/Site: Spill #2 SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NFG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Eurofins Midland

Case Narrative

Client: Carmona Resources

Job ID: 880-48777-1

Project: Spill #2

Job ID: 880-48777-1

Eurofins Midland

Job Narrative 880-48777-1

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

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

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

Receipt

The sample was received on 9/20/2024 1:45 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-91106 and analytical batch 880-91395 was outside the upper control limits.

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

Diesel Range Organics

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources Job ID: 880-48777-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

Client Sample ID: Auger Hole Water

Date Collected: 09/20/24 00:00 Date Received: 09/20/24 13:45 Lab Sample ID: 880-48777-1

Matrix: Water

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 - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX - -	<0.00400	U	0.00400		mg/L			09/22/24 09:06	1
Method: SW846 8015 NM - Diese		ics (DRO) (C	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH			5.07	WIDE	mg/L		Frepareu	09/26/24 00:18	1
-	\3.01	O	3.07		mg/L			09/20/24 00.16	ļ
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	B.: E
-								·	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
Gasoline Range Organics	<5.07 <5.07		5.07		mg/L		09/23/24 08:22 09/23/24 08:22		
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		U			J			09/26/24 00:18	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<5.07	U	5.07		mg/L		09/23/24 08:22	09/26/24 00:18 09/26/24 00:18	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<5.07 <5.07	U	5.07 5.07		mg/L		09/23/24 08:22 09/23/24 08:22	09/26/24 00:18 09/26/24 00:18 09/26/24 00:18	1 1 1 Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	<5.07 <5.07 %Recovery	U	5.07 5.07 <i>Limits</i>		mg/L		09/23/24 08:22 09/23/24 08:22 Prepared	09/26/24 00:18 09/26/24 00:18 09/26/24 00:18 Analyzed	1 1 1 1 Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<5.07 <5.07 %Recovery 91 97	U U Qualifier	5.07 5.07 <u>Limits</u> 70 - 135		mg/L		09/23/24 08:22 09/23/24 08:22 Prepared 09/23/24 08:22	09/26/24 00:18 09/26/24 00:18 09/26/24 00:18 Analyzed 09/26/24 00:18	1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<5.07 <5.07 **Recovery 91 97 Chromatograp	U U Qualifier	5.07 5.07 <u>Limits</u> 70 - 135	MDL	mg/L mg/L		09/23/24 08:22 09/23/24 08:22 Prepared 09/23/24 08:22	09/26/24 00:18 09/26/24 00:18 09/26/24 00:18 Analyzed 09/26/24 00:18	1 1 1 1 Dil Fac

Surrogate Summary

Client: Carmona Resources Job ID: 880-48777-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48712-C-1 MS	Matrix Spike	112	100	
880-48712-C-1 MSD	Matrix Spike Duplicate	110	95	
880-48777-1	Auger Hole Water	99	102	
LCS 880-91395/34	Lab Control Sample	112	102	
LCSD 880-91395/35	Lab Control Sample Dup	108	97	
MB 880-91106/5-A	Method Blank	137 S1+	83	
MB 880-91395/39	Method Blank	166 S1+	96	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Range Organics (DRO) (GC)

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

-				Percent Surrogate Re	ecovery (Acce
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-135)	(70-135)		
880-48777-1	Auger Hole Water	91	97		
LCS 860-188846/2-A	Lab Control Sample	100	91		
MB 860-188846/1-A	Method Blank	100	102		
Surrogate Legend					
1CO = 1-Chlorooctane					_

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

Matrix: Water Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID			
LCSD 860-188846/3-A	Lab Control Sample Dup			

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources Job ID: 880-48777-1 SDG: Eddy County, New Mexico Project/Site: Spill #2

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91106/5-A

Analysis Batch: 91395

Matrix: Water

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91106

ı		MB	MB							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
	Toluene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
	Ethylbenzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
	m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
	o-Xylene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
	Xylenes, Total	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
П										

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	09	9/18/24 12:36	09/21/24 16:06
1,4-Difluorobenzene (Surr)	83		70 - 130	09	9/18/24 12:36	09/21/24 16:06

Client Sample ID: Method Blank

Prep Type: Total/NA

Analysis Batch: 91395

Matrix: Water

Lab Sample ID: MB 880-91395/39

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1

мв мв

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	166	S1+	70 - 130		09/22/24 03:43	1
١	1,4-Difluorobenzene (Surr)	96		70 - 130	(09/22/24 03:43	1

Lab Sample ID: LCS 880-91395/34

Matrix: Water

Analysis Batch: 91395

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

Client Sample ID: Lab Control Sample Dup

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08945		mg/L		89	70 - 130	
Toluene	0.100	0.07725		mg/L		77	70 - 130	
Ethylbenzene	0.100	0.08740		mg/L		87	70 - 130	
m-Xylene & p-Xylene	0.200	0.1849		mg/L		92	70 - 130	
o-Xylene	0.100	0.09525		mg/L		95	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 _ 130
1.4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: LCSD 880-91395/35

Matrix: Water

Analysis Batch: 91395

-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09007	-	mg/L		90	70 - 130	1	20

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Prep Type: Total/NA

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Dil Fac

QC Sample Results

Client: Carmona Resources Job ID: 880-48777-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-91395/35

Matrix: Water Analysis Batch: 91395 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D Toluene 0.100 0.08554 70 - 130 20 mg/L 86 10 Ethylbenzene 0.100 0.09203 mg/L 92 70 - 130 5 20 0.200 m-Xylene & p-Xylene 0.1643 mg/L 82 70 - 130 20 12 o-Xylene 0.100 0.08217 mg/L 82 70 - 130 15 20

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-48712-C-1 MS

Analysis Batch: 91395

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Matrix: Water

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene 0.09012 <0.00200 0.100 mg/L 90 70 - 130 Toluene <0.00200 U 0.100 0.08278 83 70 - 130 mg/L Ethylbenzene 0.100 0.08268 70 - 130 <0.00200 U mg/L 83 <0.00400 U 0.200 0.1721 86 70 - 130 m-Xylene & p-Xylene mg/L o-Xylene <0.00200 U 0.100 0.08968 mg/L 90 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: 880-48712-C-1 MSD

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09144		mg/L		91	70 - 130	1	25
Toluene	<0.00200	U	0.100	0.08947		mg/L		89	70 - 130	8	25
Ethylbenzene	<0.00200	U	0.100	0.09520		mg/L		95	70 - 130	14	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1827		mg/L		91	70 - 130	6	25
o-Xylene	<0.00200	U	0.100	0.09854		mg/L		99	70 - 130	9	25

MSD MSD

мв мв Result Qualifier

<5.00 U

Surrogate	%Recovery	Quaimer	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 860-188846/1-A

Released to Imaging: 12/6/2024 1:53:02 PM

Matrix: Water

Analysis Batch: 189324

Gasoline Range Organics

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

09/25/24 08:53

Prepared

09/23/24 08:22

Prep Batch: 188846

Analyzed

(GRO)-C6-C10

Eurofins Midland

RL

5.00

MDL Unit

mg/L

Client: Carmona Resources Job ID: 880-48777-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 860-188846/1-A **Matrix: Water**

Analysis Batch: 189324

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

Prep Batch: 188846

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <5.00 U 5.00 09/23/24 08:22 09/25/24 08:53 Diesel Range Organics (Over mg/L C10-C28) 5.00 09/23/24 08:22 09/25/24 08:53 Oil Range Organics (Over C28-C36) <5.00 U mg/L

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 135	09/23/24 08:22	09/25/24 08:53	1
o-Terphenyl	102		70 - 135	09/23/24 08:22	09/25/24 08:53	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-188846/2-A **Matrix: Water** Prep Type: Total/NA **Prep Batch: 188846** Analysis Batch: 189324 LCS LCS

Spike Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 100 105.0 105 70 - 135 mg/L (GRO)-C6-C10 100 102.3 102 Diesel Range Organics (Over 70 - 135mg/L C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 135
o-Terphenvl	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**

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

Gasoline Range Organics 100 107.2 mg/L (GRO)-C6-C10 Diesel Range Organics (Over 100 106.1 mg/L

C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits

1-Chlorooctane

o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91065/3 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 91065

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500		mg/L			09/20/24 23:48	1

Eurofins Midland

Page 10 of 20 Released to Imaging: 12/6/2024 1:53:02 PM

QC Sample Results

Client: Carmona Resources Job ID: 880-48777-1 Project/Site: Spill #2 SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-91065/4 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 91065

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %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

Spike LCSD LCSD %Rec RPD Added RPD Limit Analyte Result Qualifier Unit D %Rec Limits Chloride 25.0 24.29 mg/L 97 90 - 110 0

Lab Sample ID: 880-48492-A-2 MS Client Sample ID: Matrix Spike

Matrix: Water Prep Type: Total/NA

Analysis Batch: 91065

%Rec Spike MS MS Sample Sample Analyte Result Qualifier Added Result Qualifier Unit Limits Chloride 634 1250 1884 100 90 - 110 mg/L

Lab Sample ID: 880-48492-A-2 MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 91065

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Qualifier Unit %Rec RPD Limit Result Limits 1250 1883 Chloride 634 100 90 - 110 20 mg/L

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-48777-1
Project/Site: Spill #2

SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 91106

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 Batcl
880-48777-1	Auger Hole Water	Total/NA	Water	300.0	
MB 880-91065/3	Method Blank	Total/NA	Water	300.0	
LCS 880-91065/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-91065/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-48492-A-2 MS	Matrix Spike	Total/NA	Water	300.0	
880-48492-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

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Lab Chronicle

Client: Carmona Resources

Job ID: 880-48777-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Client Sample ID: Auger Hole Water

Date Collected: 09/20/24 00:00 Date Received: 09/20/24 13:45 Lab Sample ID: 880-48777-1

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	91395	09/22/24 09:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91483	09/22/24 09:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			190146	09/26/24 00:18	ELJ	EET HOU
Total/NA	Prep	8015NM Aq Prep			29.6 mL	3 mL	188846	09/23/24 08:22	TH	EET HOU
Total/NA	Analysis	8015B NM		1			189328	09/26/24 00:18	T1S	EET HOU
Total/NA	Analysis	300.0		100			91065	09/21/24 02:42	СН	EET MID

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-48777-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Prograr	n	Identification Number	Expiration Date
Texas	NELAP		T104704400	06-30-25
• ,	es are included in this report, but does not offer certification.	the laboratory is not certif	ied by the governing authority. This lis	t may include analytes
Analysis Mathad	Prop Mothod	Matrix	Analyta	
Analysis Method	Prep Method	Matrix	Analyte	
Analysis Method 300.0 Total BTEX	Prep Method	Matrix Water Water	Analyte Chloride Total BTEX	

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	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

Eurofins Midland

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Method Summary

Client: Carmona Resources Project/Site: Spill #2

Method

8021B

Total BTEX

8015 NM

300.0

5030B

8015B NM

8015NM Aq Prep

Job ID: 880-48777-1

SDG: Eddy County, New Mexico

EET MID

EET HOU

Protocol Laboratory SW846 EET MID TAL SOP EET MID SW846 **EET HOU** SW846 **EET HOU** EPA **EET MID**

SW846

SW846

Protocol References:

EPA = US Environmental Protection Agency

Purge and Trap

Microextraction

Method Description

Total BTEX Calculation

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Anions, Ion Chromatography

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources Project/Site: Spill #2

Job ID: 880-48777-1

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48777-1	Auger Hole Water	Water	09/20/24 00:00	09/20/24 13:45

9/30/2024

880-48777 Chain of Custody	Page1of1	Work Order Comments	Brownfields RRC Diperfund		RRP Level IV	ADaPT Other:	Preservative Codes	20	Cool: Cool MeOH: Me		H2504: H2 NaOH: Na	13. CV.	NaHSO4. NABIS	7- Accidental Ott. 7-	NaOH+Ascorbic Acid: SAPC		Sample Comments						Date/Time
880-48777		Work Ord	Program: UST/PST PRP Dr	State of Project:	Reporting:Level II Level III	Deliverables: EDD	REQUEST																Received by: (Signature)
Custody		Carmona Resources				urces.com	ANALYSIS REQUEST			ОЯМ	+ 08	10 4	SKO + chiqe :	o) W	12108	нат	-	× × ×				omments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	Date/Time 30134
Chain of C		Bill to: (if different)	Company Name:	Address:	City, State ZIP:	Email: mcarmona@carmonaresources.com	Turn Around	Rush Code	Standard		ters	_			9.	Grab	Cont	9 9				nner Moehring / Cmoehrir	06/p
						Email:	Turn	Routine	Due Date:	T		vver ice:			ng: ture:		Soil					ources.com and Cor	
							Spill #2	2511	Eddy County, New Mexico	DD & PB	- N	Tes (NO	Correction Factor	-	Corrected Temperature:	i	TIMe	*				nona@carmonares	Relinquished by: (Signature)
		Devin Dominguez	Carmona Resources	310 W Wall St Ste 500	Midland, TX 79701	432-701-5475	Spi	25	Eddy County	QQ	Total District	I grap blank.	Yes No	1				er 9/20/2024				like Carmona / Mcan	Relinqu
		Project Manager: Devir	Company Name: Carm		ity, State ZIP: Midla	hone: 432-	roject Name:	roject Number:	roject Location	ampler's Name:	SAMDI E DECEIDT	און רך וירסרון ו	ooler Custody Seals:	Sample Custody Coole	otal Containers:	Samuel Manage	Sample Identification	Auger Hole Water				omments: Email to N	

Eurofins Midland 1211 W Florida Ave Midland, TX 79701 Phone: 432-704-5440

Chain of Custody Record

Ver 05/06/2024												
	!		Remarks:	Cooler Temperature(s) °C and Other Remarks:	r Temperature	Coole					als Intact Custody Seal No.	Custody Seals Intact:
Company	1-21-24 CHS	Date/Time:			Received by	Rece		Company		Date/Time;		Relinquished by
Company		Date/Time:		7	Received by:	Rece		Company		Date/Time;		Relinquished by:
Company		Date/Time:			Received by:	Recei		Company		Date/Time;		Relinquished by:
		Method of Shipment	Method of				Time:		Date:		iquished by:	Empty Kit Relinquished by
			ents:	Special Instructions/QC Requirements:	nstructions/	Special I			ble Rank: 2	Primary Deliverable Rank:	Deliverable Requested. I, II, III, IV Other (specify)	Deliverable Re
1 month) Months	tained longer than 1	nples are re	assessed if san Disposal By Lab	A fee may be	ole Disposal (A f Return To Client	Sample					Possible Hazard Identification Unconfirmed	Possible Haz Unconfirmed
er chain-of-custody. If the e provided. Any changes to esting South Central, LLC.	ent is forwarded unduer instructions will be offins Environment To	es. This sample shipmer ai, LLC laboratory or othe said compliance to Euro	contract laboratorie sting South Centra ustody attesting to	nce upon our sub s Environment Te signed Chain of C	tation complianto the Eurofinate, return the	& accredi pped back ment to da	od, analyte nust be shi ons are cu	ownership of meth zed, the samples n quested accreditat	at, LLC places the matrix being analy mediately. If all re	Testing South Centry for analysis/tests rail LLC attention in	Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the jaboratory does not currently maintain accreditation in the State of Origin listed above for analysis/best/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC aboratory of other instructions will be provided. Any charges to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.	lote: Since labor aboratory does n accreditation state
		2			×	×	, K	G Water	Mountain	9/20/24	Auger Hole Water (880-48777 1)	luger Hole W
		X				X	i.e.	Preservation Code:	N I	N		
Special Instructions/Note:	Special In	Total Numb			8016MOD_Ca	Perform MS 8016MOD_NN	Field Filtere	Sample Matrix Type (w-water, (C=comp, o-wateroii, G=grab) Stenssue, Artic	Sample (C=	Sample Date	Sample Identification Client ID (Lab ID)	sample Ident
	Other	133 (1 . m			le	1000	Constitution of the Consti			SSOW#:		Site:
		1 - 1000					of the second			Project #: 88001287		Project Name: Spill #2
		9rs					SCA CHESTAN		! !	WO#		Email:
						ull TP	No)			PÖ#		Phone: 281-240-4200(Tel)
						H						State, Zip: TX, 77477
									ys):	TAT Requested (days):		City: Stafford
odes:	Preservation Codes:		quested	Analysis Re					P.	Due Date Requested: 9/26/2024		Address: 4145 Greenbriar Dr
	880-48777-1			note):	Accreditations Required (See note): NELAP Texas	LAP Te	NE Acc				Company Eurofins Environment Testing South Centr	Company Eurofins Envin
	Page 1 of 1		New Mexico	us.com	Mai Jessica.Kramer@et.eurofinsus.com	(ramer@	Jessica.			Phone:		Client Contact: Shipping/Receiving
	880-11391 1		4			Jessica	Kramer Jessica				(Sub Contract Lab)	Client Information

Environment Testing

🔆 eurofins

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-48777-1

SDG Number: Eddy County, New Mexico

List Source: Eurofins Midland

Login Number: 48777 List Number: 1

Creator: Vasquez, Julisa

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

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Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-48777-1

SDG Number: Eddy County, New Mexico

Login Number: 48777 **List Source: Eurofins Houston** List Number: 2 Creator: Baker, Jeremiah

List Creation: 09/21/24 01:11 PM

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

True

Page 20 of 20 9/30/2024

<6mm (1/4").

Containers requiring zero headspace have no headspace or bubble is

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 393303

QUESTIONS

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

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

ncident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Pipeline (Any) Produced Water Released: 49 BBL Recovered: 20 BBL Lost: 29 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

General Information Phone: (505) 629-6116

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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 393303

QUESTI	ONS (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 second constant of the control of the co	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.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 08/28/2024

Sante Fe Main Office Phone: (505) 476-3441 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 3

Action 393303

QUESTIONS (continued)

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

QUESTIONS

Site Characterization	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	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Zero feet, overlying, or within area	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)	
Any other fresh water well or spring	Greater than 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Zero feet, overlying, or within area	
A subsurface mine	Between 1 and 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	High	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	Yes	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	sociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in 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.

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 4

Action 393303

QUESTIONS (continued)

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

QUESTIONS

Remediation Plan (continued)		
appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
Yes		
LEA LAND LANDFILL [fEEM0112342028]		
Not answered.		

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

Name: Connor Walker
Title: Senior Engineer
Email: cwalker@mewbourne.com

Date: 10/18/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 5

Action 393303

QUESTIONS (continued)

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

QUESTIONS

Deferral Requests Only		
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.		
Requesting a deferral of the remediation closure due date with the approval of this submission	No	

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

QUESTIONS, Page 6

Action 393303

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO	OGRID: 14744			
P.O. Box 5270 Hobbs, NM 88241	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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Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 393303

CONDITIONS

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

CONDITIONS

Created By		Condition Date
scott.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