



SITE INFORMATION

Closure Report
Bloomin Onion Frac Line
Eddy County, New Mexico
Unit B Sec 03 T20S R30E
32.60936°, -103.95825°
Incident ID: NAPP2424137423

Produced Water Release
Point of Release: Lay Flat Transfer Line Disconnect
Release Date: 08/15/24
Volume Released: 49 barrels of Produced Water
Volume Recovered: 20 barrels of Produced Water

CARMONA RESOURCES



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

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

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February 6, 2025

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

**Re: Closure Report
Bloomin Onion Frac Line
Incident ID: NAPP2424137423
Mewbourne Oil Company
Site Location: Unit B, S03, T20S, R30E
(Lat 32.60936°, Long -103.95825°)
Eddy County, New Mexico**

Mr. Bratcher:

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

1.0 Site Information and Background

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

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

2.0 Site Characterization and Groundwater

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

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3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment Activities

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

Vertical Delineation of the Area of Concern

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

Horizontal Delineation of the Area of Concern

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

Background Sampling Results

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

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Soil Assessment Interpretation

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

Water Assessment Activities

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

Water Sampling Results

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

Water Assessment Interpretation

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

5.0 Excavation Activities

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



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

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

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

Conner Moehring
Environmental Manager

Ivan Ramos
Project Manager

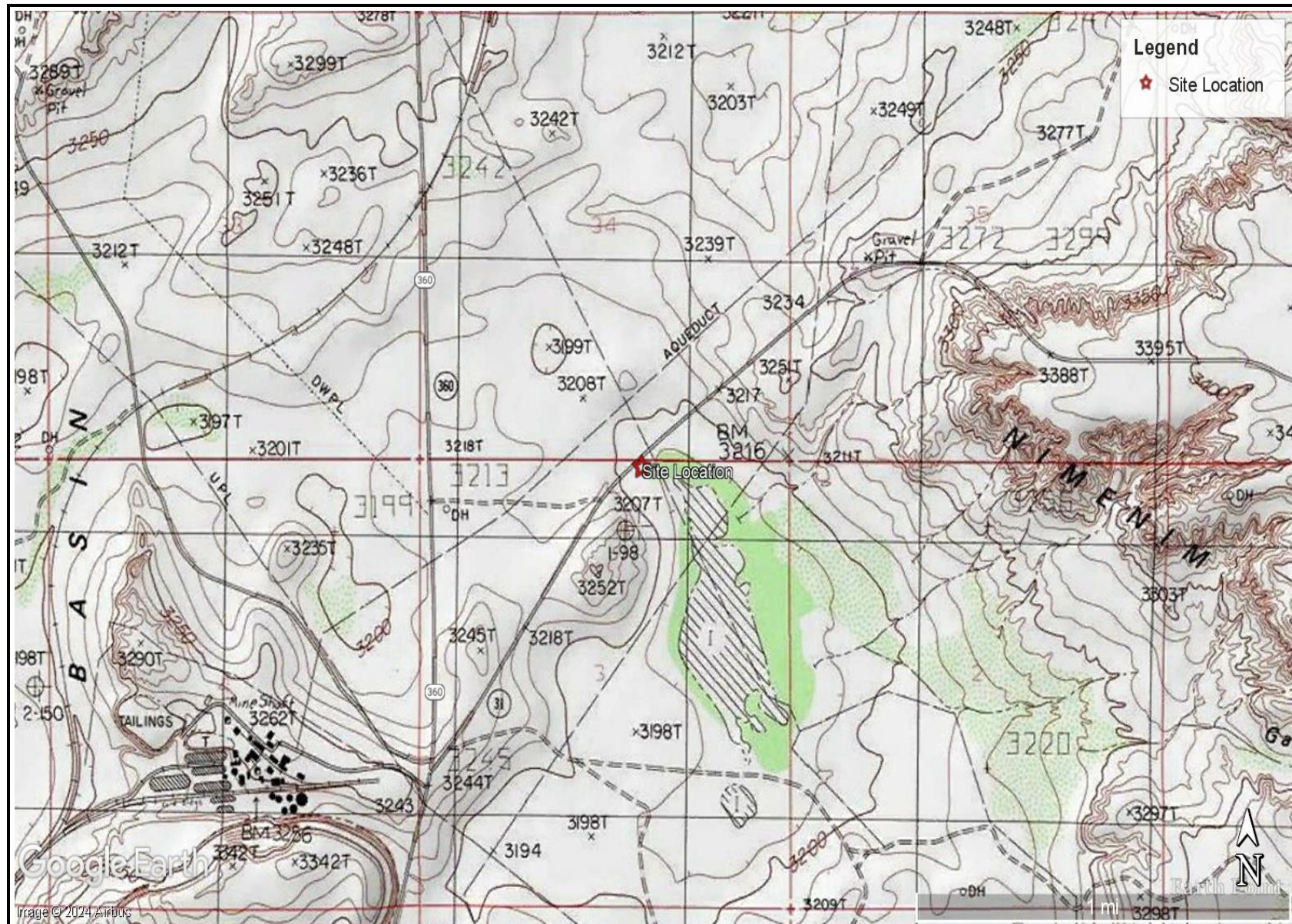
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FIGURES

CARMONA RESOURCES



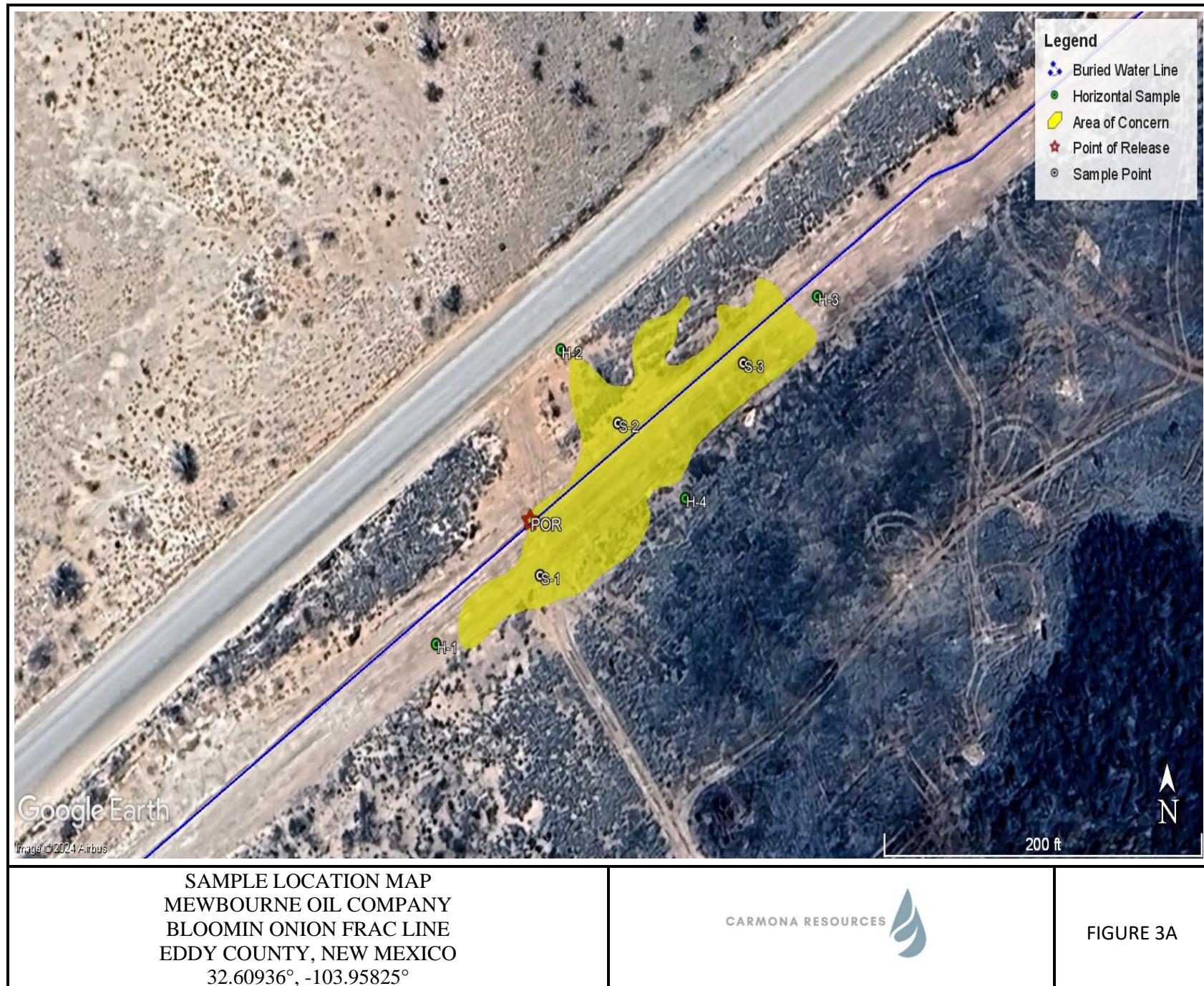


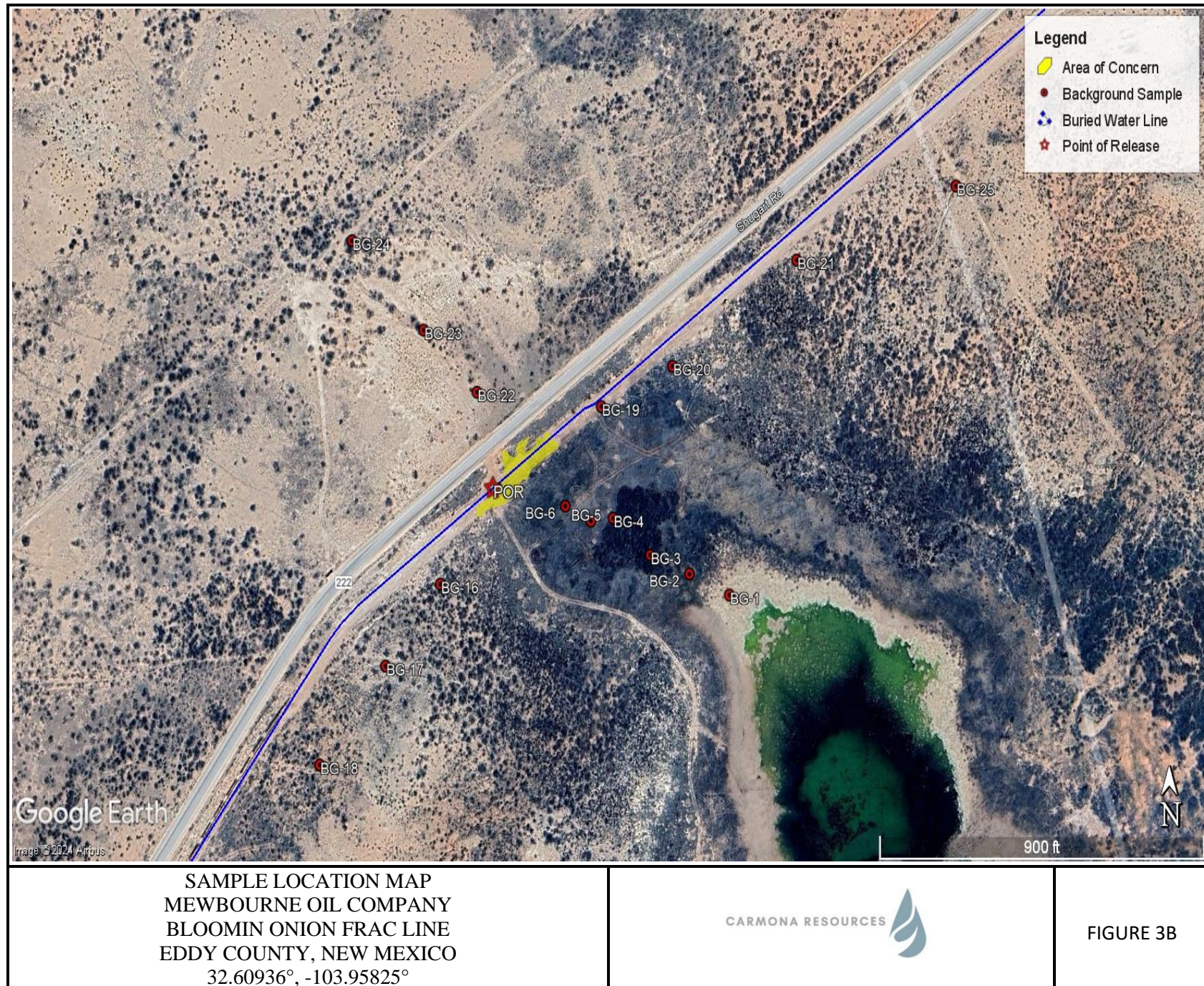


TOPOGRAPHIC MAP
MEWBOURNE OIL COMPANY
BLOOMIN ONION FRAC LINE
EDDY COUNTY, NEW MEXICO
32.60936°, -103.95825°



FIGURE 2



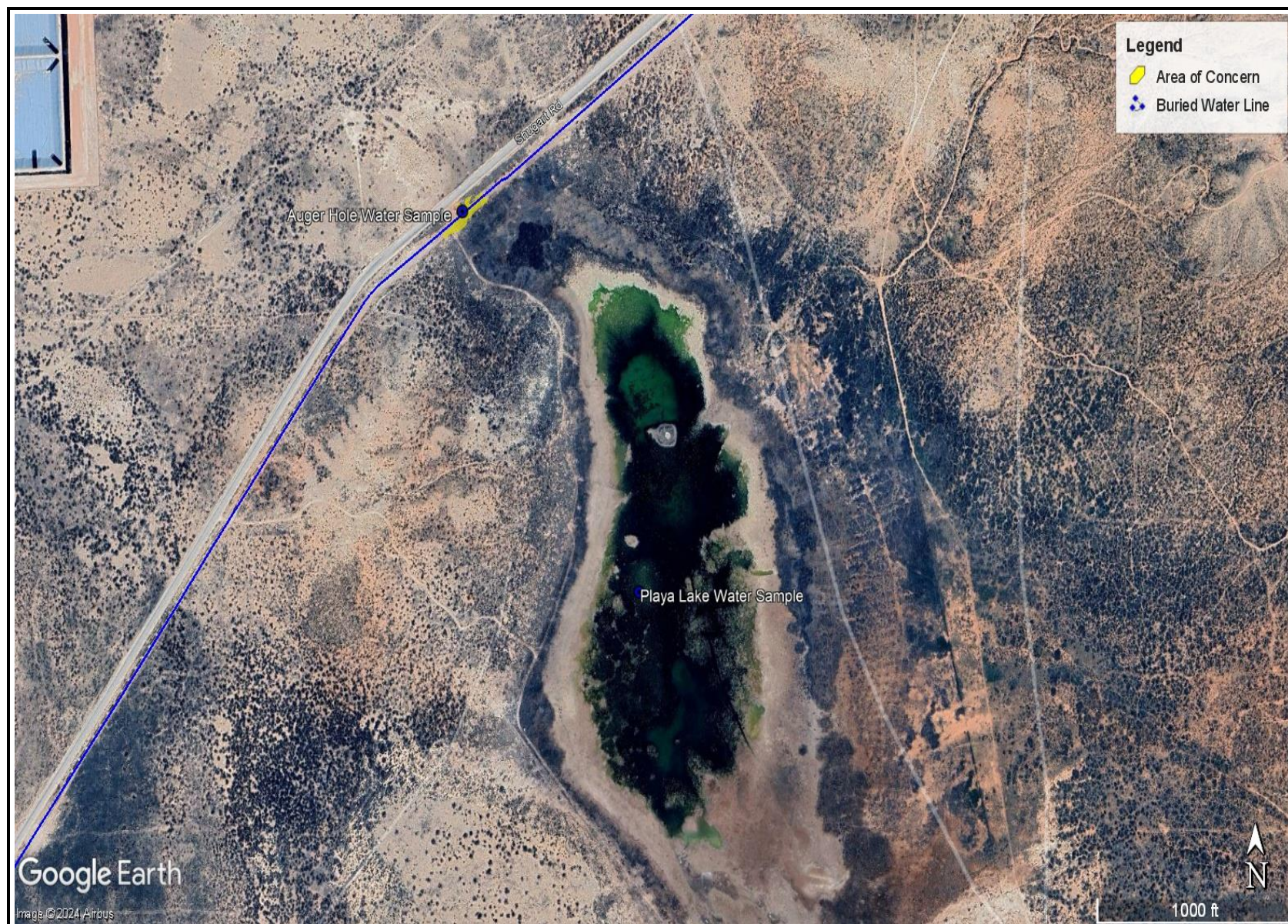




SAMPLE LOCATION MAP
MEWBOURNE OIL COMPANY
BLOOMIN ONION FRAC LINE
EDDY COUNTY, NEW MEXICO
32.60936°, -103.95825°



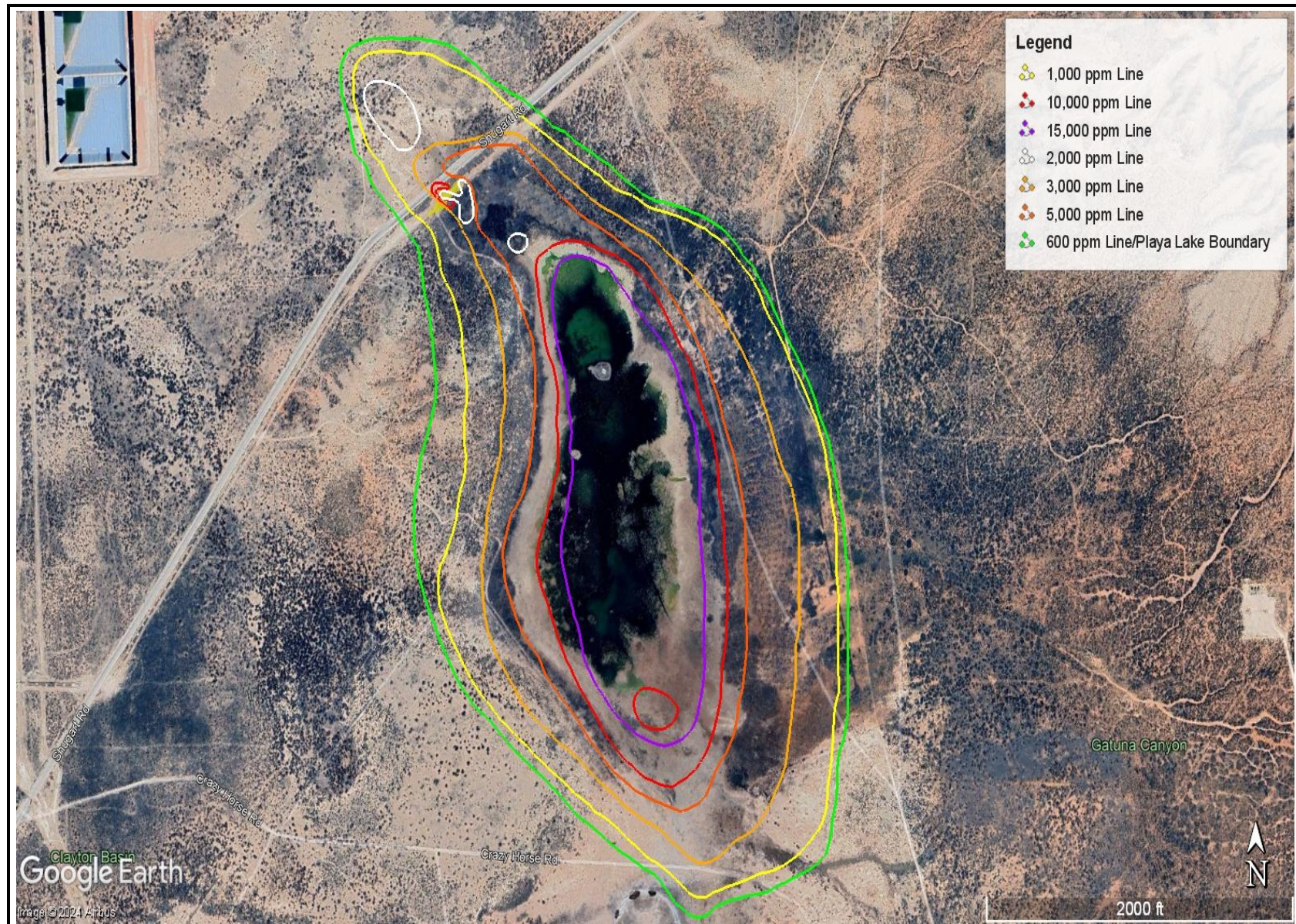
FIGURE 3C



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



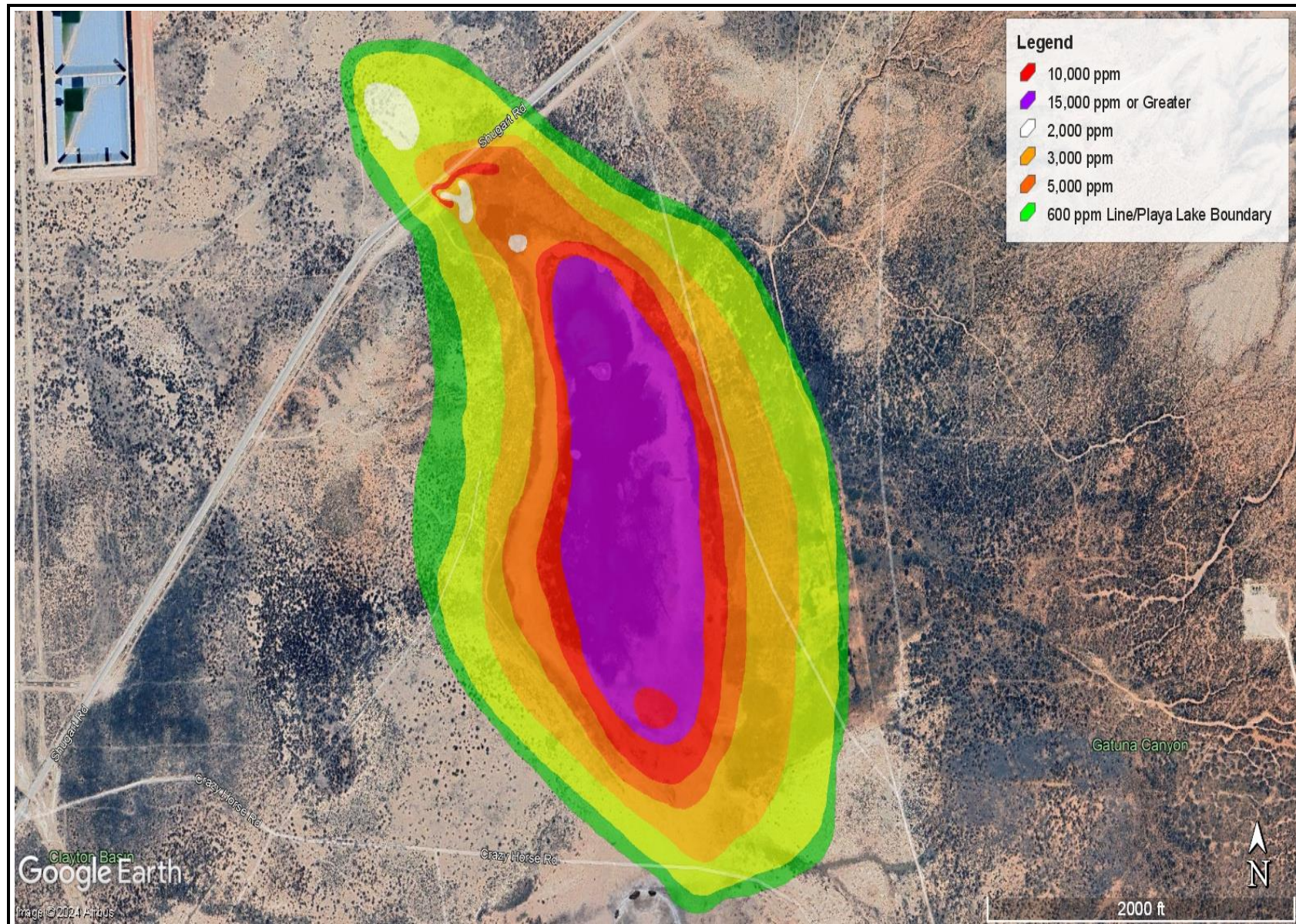
FIGURE 4



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



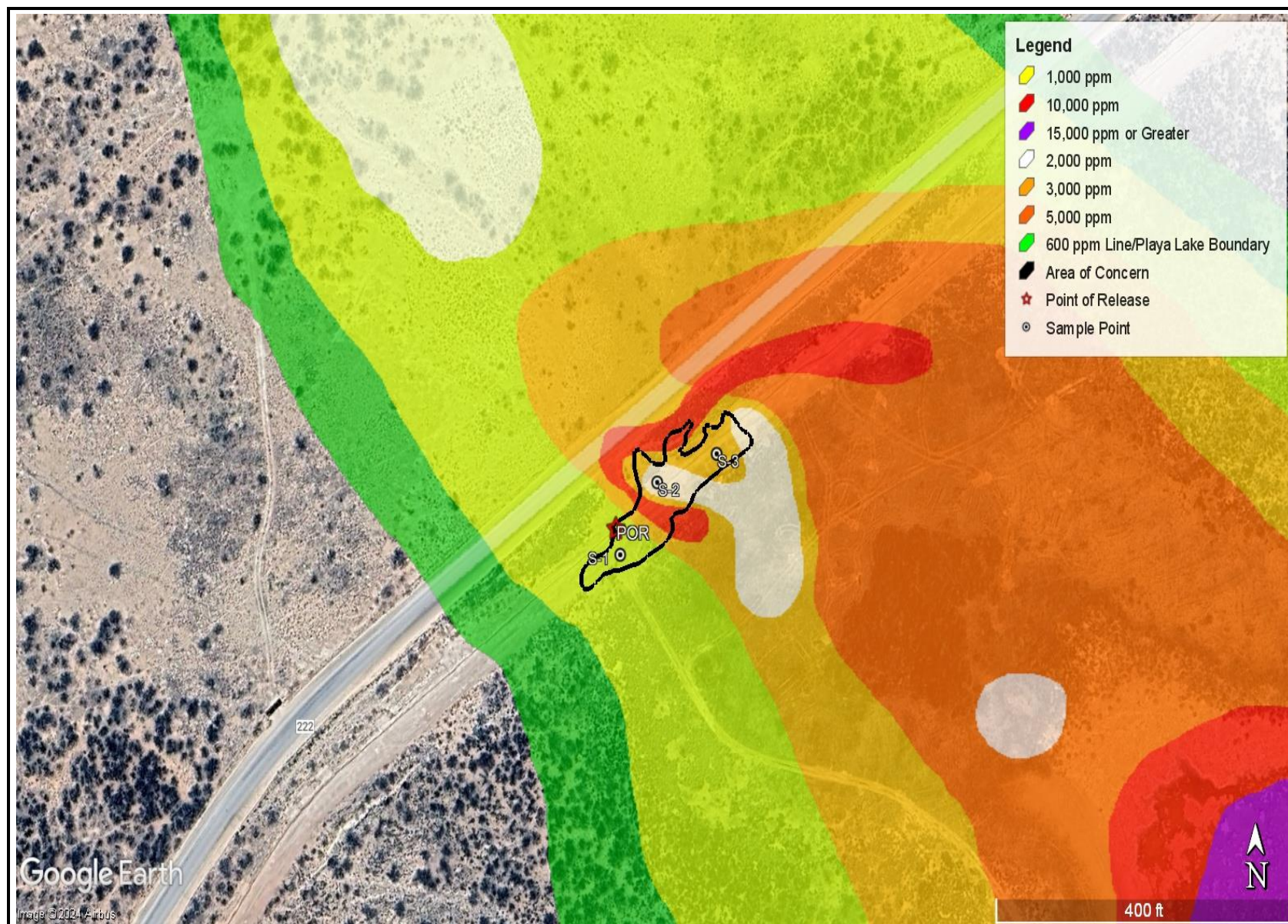
FIGURE 5A



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



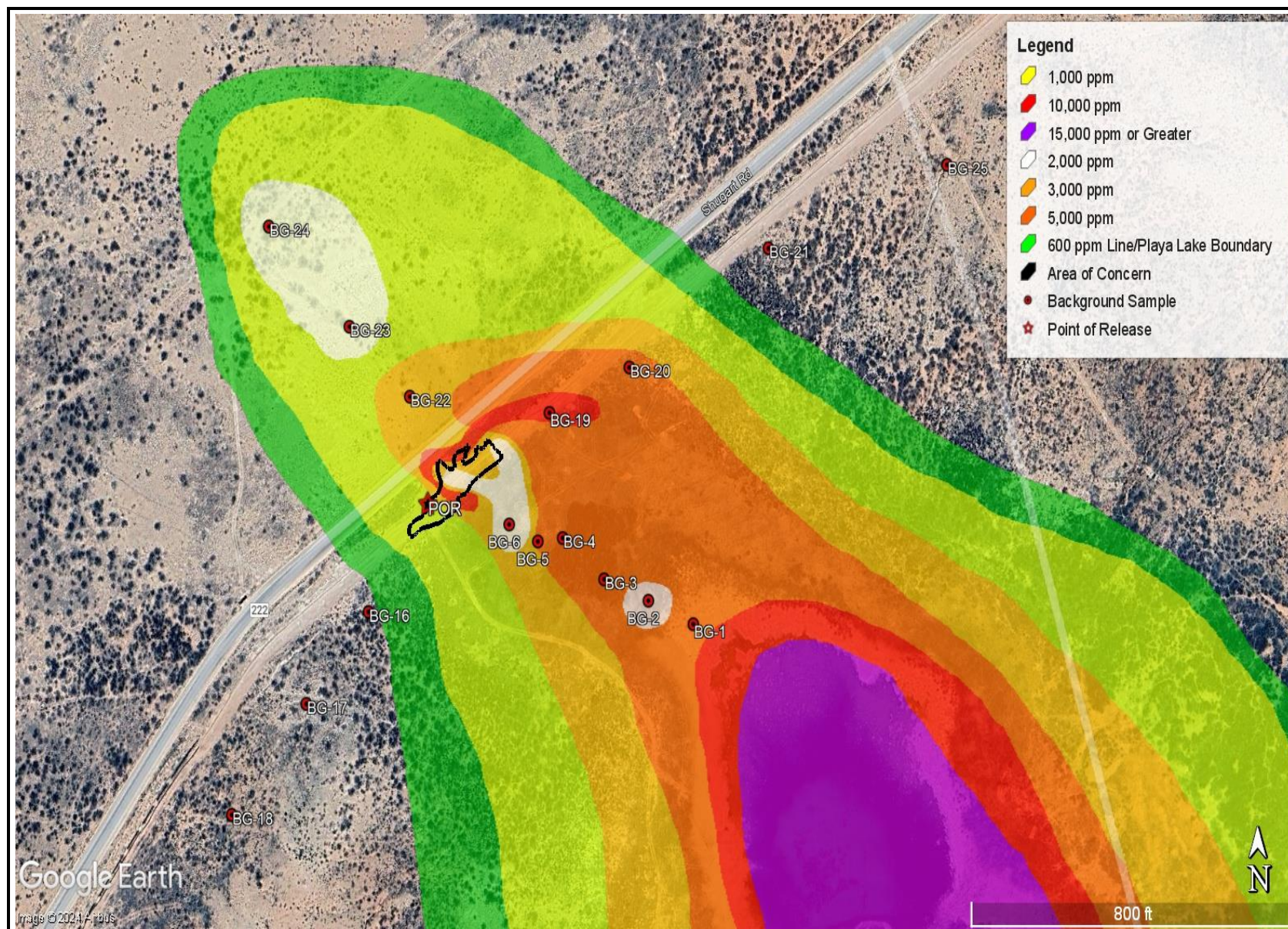
FIGURE 5B



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



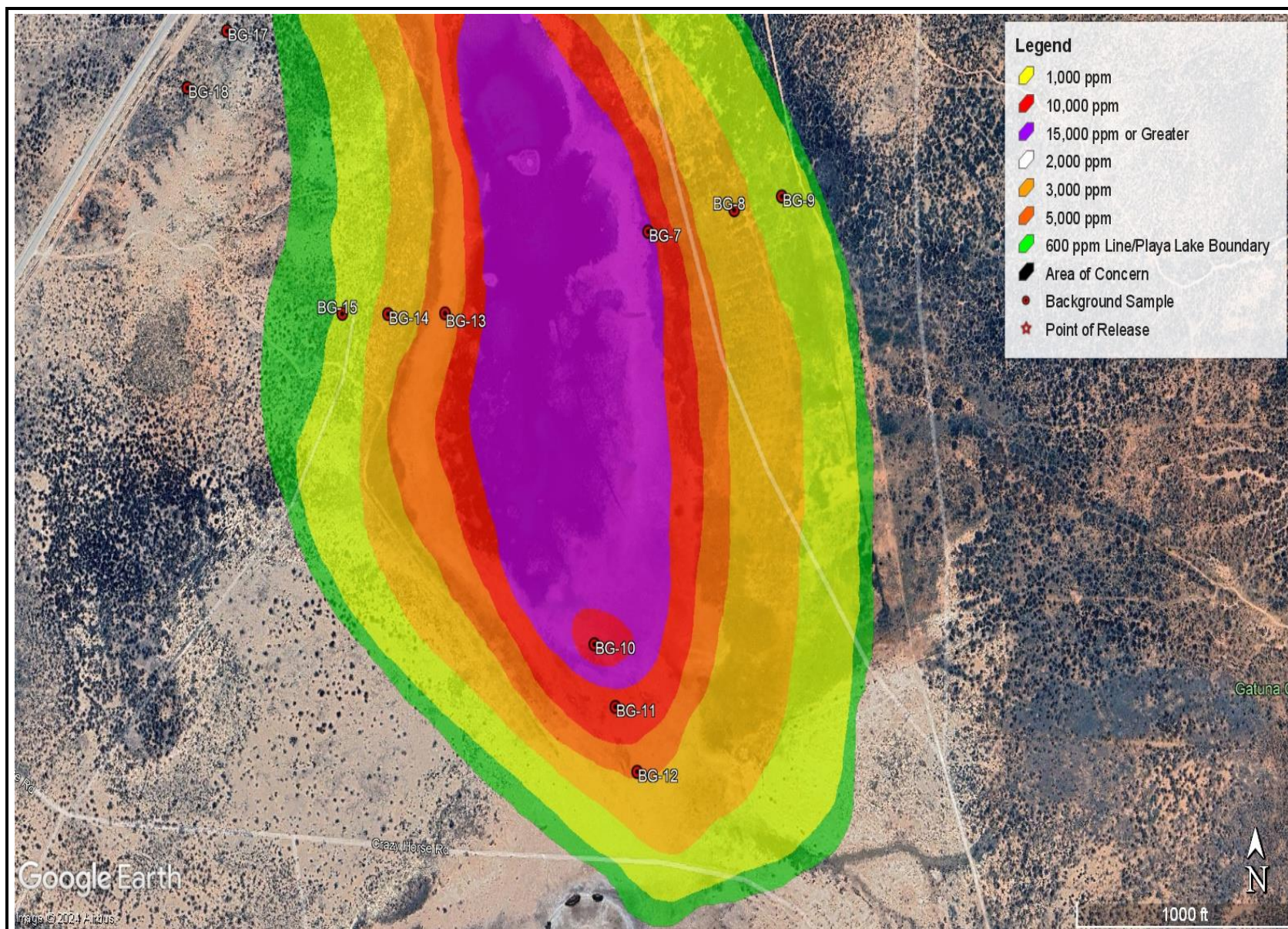
FIGURE 5C



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



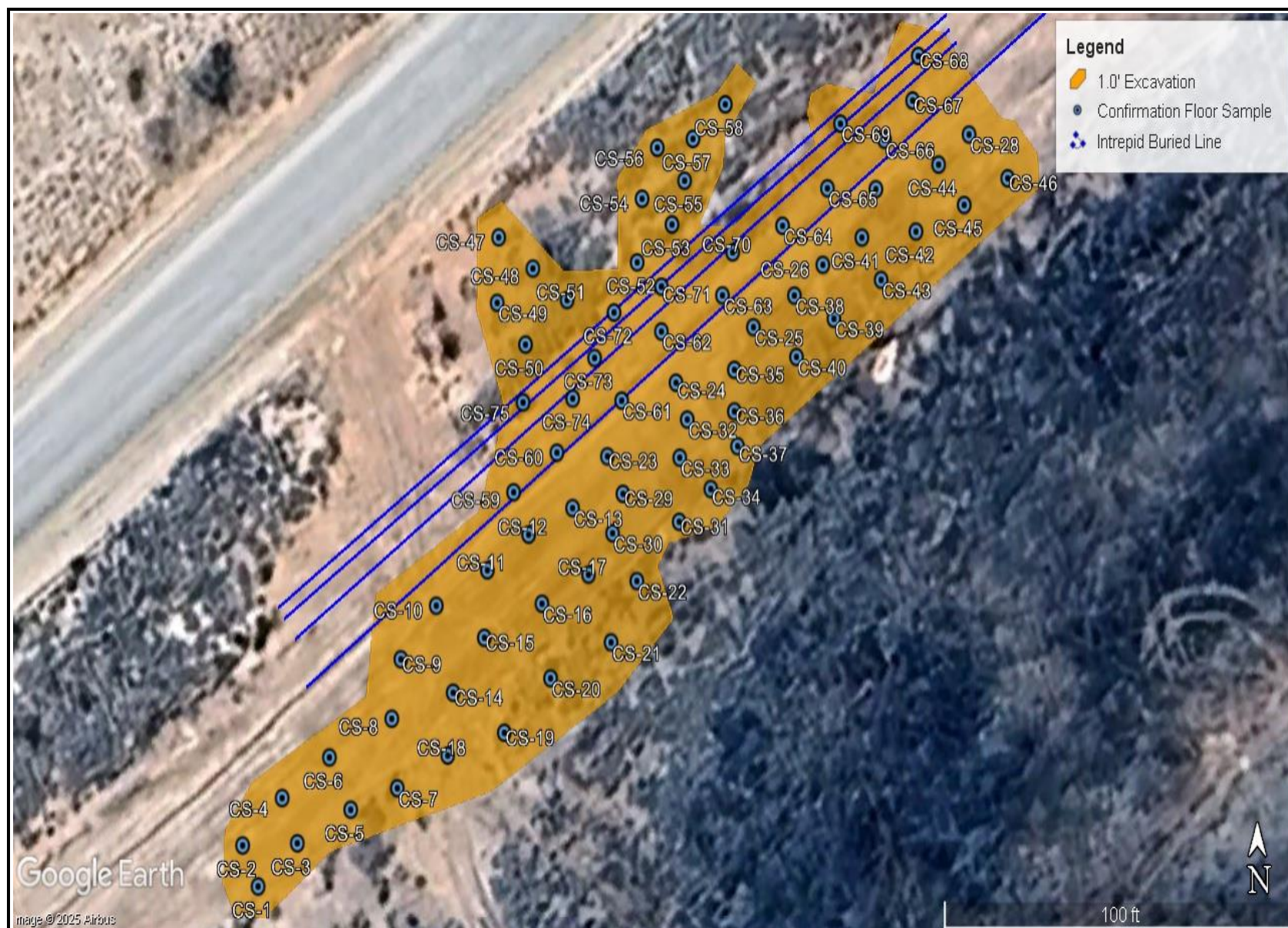
FIGURE 5D



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



FIGURE 5E



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



FIGURE 6A



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



FIGURE 6B

APPENDIX A

CARMONA RESOURCES



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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	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
	"	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
S-2	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
	"	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
S-3	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
	"	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
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal

Removed

Exceeds

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

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

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(BG) Background

Exceeds

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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
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
	"	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
	"	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
	"	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
	"	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
	"	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
	"	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
	"	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
	"	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
	"	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
	"	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
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(BG) Background

 Exceeds

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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
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
<i>Regulatory Criteria^A</i>							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

 Exceeds

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

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

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons
ft - feet

(CS) Confirmation Sample

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

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

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons
ft - feet

(CS) Confirmation Sample

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

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

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons
ft - feet

(CS) Confirmation Sample

(SW) Sidewall Sample

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

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

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons
ft - feet

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG**Mewbourne Oil Company****Photograph No. 1****Facility:** Bloomin Onion Frac Line (08.15.24)**County:** Eddy County, New Mexico**Description:**

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

**Photograph No. 2****Facility:** Bloomin Onion Frac Line (08.15.24)**County:** Eddy County, New Mexico**Description:**

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

**Photograph No. 3****Facility:** Bloomin Onion Frac Line (08.15.24)**County:** Eddy County, New Mexico**Description:**

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



PHOTOGRAPHIC LOG**Mewbourne Oil Company****Photograph No. 4****Facility:** Bloomin Onion Frac Line (08.15.24)**County:** Eddy County, New Mexico**Description:**

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

**Photograph No. 5****Facility:** Bloomin Onion Frac Line (08.15.24)**County:** Eddy County, New Mexico**Description:**

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

**Photograph No. 6****Facility:** Bloomin Onion Frac Line (08.15.24)**County:** Eddy County, New Mexico**Description:**

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



PHOTOGRAPHIC LOG**Mewbourne Oil Company****Photograph No. 7****Facility:** Bloomin Onion Frac Line (08.15.24)**County:** Eddy County, New Mexico**Description:**

View East of backfilled area.

**Photograph No. 8****Facility:** Bloomin Onion Frac Line (08.15.24)**County:** Eddy County, New Mexico**Description:**

View Southeast of backfilled area.

**Photograph No. 9****Facility:** Bloomin Onion Frac Line (08.15.24)**County:** Eddy County, New Mexico**Description:**

View Southeast of backfilled area.



PHOTOGRAPHIC LOG**Mewbourne Oil Company****Photograph No. 10****Facility:** Bloomin Onion Frac Line (08.15.24)**County:** Eddy County, New Mexico**Description:**

View Southwest of backfilled area.

**Photograph No. 11****Facility:** Bloomin Onion Frac Line (08.15.24)**County:** Eddy County, New Mexico**Description:**

View Southwest of backfilled area.

**Photograph No. 12****Facility:** Bloomin Onion Frac Line (08.15.24)**County:** Eddy County, New Mexico**Description:**

View Southwest of backfilled area.



APPENDIX C

CARMONA RESOURCES



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 378717

QUESTIONS

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

QUESTIONS

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

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

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

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QUESTIONS, Page 2
Action 378717

QUESTIONS (continued)

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

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Action 378717

ACKNOWLEDGMENTS

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

ACKNOWLEDGMENTS

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

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Santa Fe, NM 87505

CONDITIONS

Action 378717

CONDITIONS

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

CONDITIONS

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

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Mewbourne Oil Company	OGRID	14744
Contact Name	Connor Walker	Contact Telephone	806-202-5281
Contact email	cwalker@mewbourne.com	Incident # (assigned by OCD)	nAPP2424137423
Contact mailing address	4801 Business Park Blvd, Hobbs, NM 88240		

Location of Release Source

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

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

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

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

Nature and Volume of Release

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

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

Cause of Release


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

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was given by Jeff Broom to BLM < BLM_NM_CFO_Spill@blm.gov >; 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.	

Initial Response

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

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

SPILL VOLUME CALCULATIONS

INPUT DATA: (click "Reset Page" button to return all values to zero)																		
Total Area Calculations						Standing Liquid Calculations (leave blank if 100% of free liquid has been recovered)												
Total Surface Area			saturated soil depth	% oil		Total Surface Area			liquid depth	% oil								
Known Area #1	0	acres	or	13,939	sq. ft.	3	in	0%	Known Area #1	0	acres	or	0	sq. ft.	0	in	0%	
Known Area #2	0	acres	or		sq. ft.	0	in	0%	Known Area #2	0	acres	or		sq. ft.	0	in	0%	
Known Area #3	0	acres	or		sq. ft.	0	in	0%	Known Area #3	0	acres	or		sq. ft.	0	in	0%	
Known Area #4	0	acres	or		sq. ft.	0	in	0%	Known Area #4	0	acres	or		sq. ft.	0	in	0%	
width		length				width		length										
Rectangle Area #1	0	ft		0	ft	0	in	0%	Rectangle Area #1	0	ft		0	ft	0	in	0%	
Rectangle Area #2	0	ft		0	ft	0	in	0%	Rectangle Area #2	0	ft		0	ft	0	in	0%	
Rectangle Area #3	0	ft		0	ft	0	in	0%	Rectangle Area #3	0	ft		0	ft	0	in	0%	
Rectangle Area #4	0	ft		0	ft	0	in	0%	Rectangle Area #4	0	ft		0	ft	0	in	0%	
diameter				saturated soil depth	% oil	diameter				liquid depth	% oil							
Circle Area #1	0	ft		0	in	0%	Circle Area #1	0	ft	0	in	0%	Circle Area #2	0	ft	0	in	0%
Circle Area #2	0	ft		0	in	0%	Circle Area #2	0	ft	0	in	0%	Circle Area #3	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%	Circle Area #4	0	ft	0	in	0%						

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

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

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

QUESTIONS

Action 378723

QUESTIONS

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

QUESTIONS

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

Location of Release Source

Please answer all the questions in this group.

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

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Pipeline (Any) Produced Water Released: 49 BBL Recovered: 20 BBL Lost: 29 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 378723

QUESTIONS (continued)

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

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

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

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QUESTIONS, Page 3

Action 378723

QUESTIONS (continued)

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

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 378723

CONDITIONS

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

CONDITIONS

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

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 417482

QUESTIONS

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

QUESTIONS

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

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

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 417482

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
c.walker	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/6/2025

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 417483

QUESTIONS

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

QUESTIONS

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

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

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 417483

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
c.walker	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/6/2025

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

CONDITIONS

Action 393303

CONDITIONS

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

CONDITIONS

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

APPENDIX D

CARMONA RESOURCES

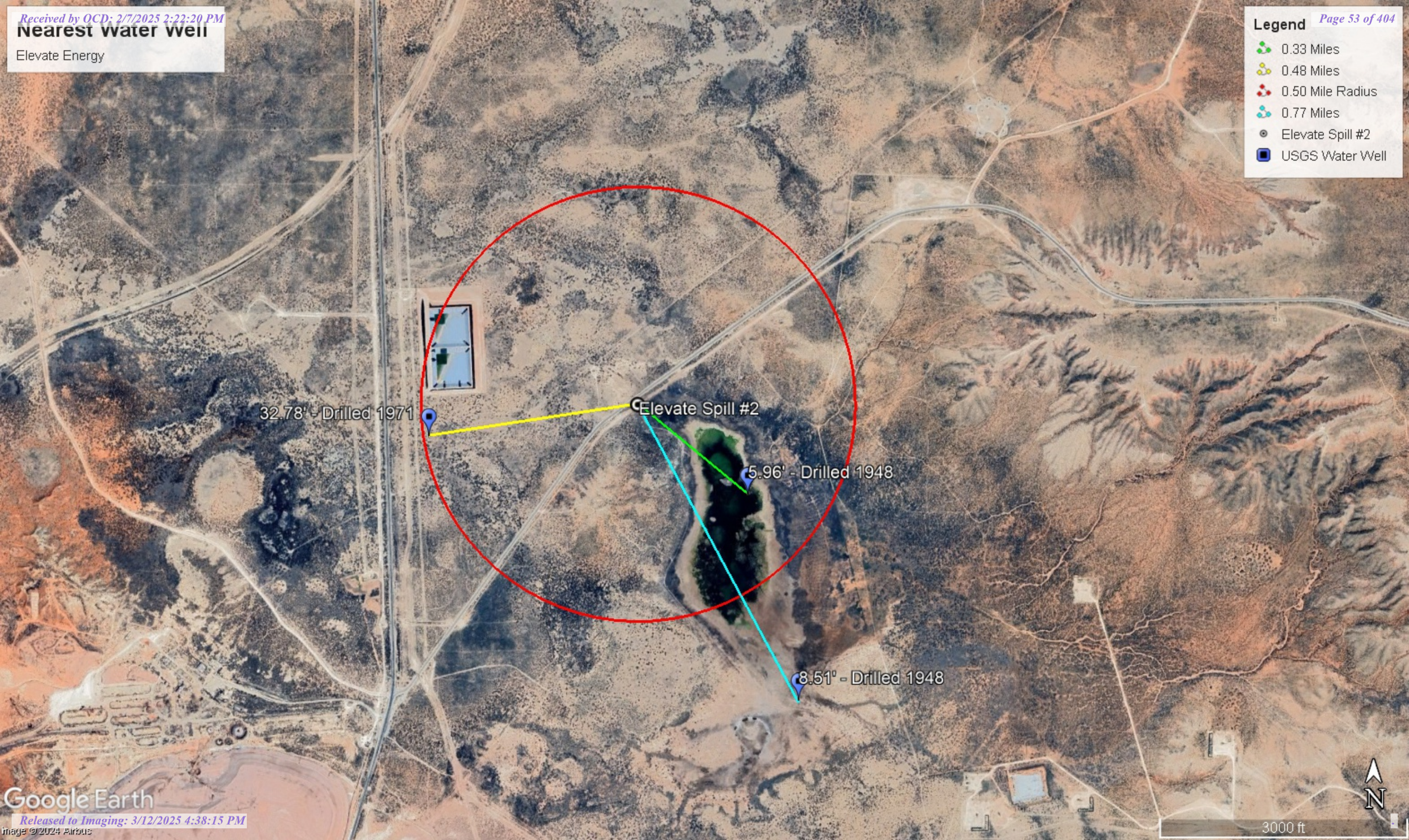


Nearest water well

Elevate Energy

Legend

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



High Karst

Elevate Energy

Legend

Elevate Spill #2

High

Low

Medium

Elevate Spill #2





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
CP 00827 POD1		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		
CP 00644 POD2		CP	LE	NW	SE	SW	04	20S	30E	595689.0	3607164.0 *		2439	285	60	225
CP 00645 POD2		CP	LE	SW	SE	SW	04	20S	30E	595689.0	3606964.0 *		2551	296	62	234
CP 00648 POD1	R	CP	LE	SE	SW	SW	04	20S	30E	595488.0	3606960.0 *		2718	337	82	255
CP 00648 POD2		CP	ED	SE	SW	SW	04	20S	30E	595488.0	3606960.0 *		2718	330	75	255
CP 00775		CP	ED	NE	NW	SE	11	20S	30E	599515.0	3605981.0 *		3045	350	40	310

Average Depth to Water: 63 feet

Minimum Depth: 40 feet

Maximum Depth: 82 feet

Record Count: 8

UTM Filters (in meters):

Easting: 597752.45

Northing: 3608464.88

Radius: 4000

* UTM location was derived from PLSS - see Help

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



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USGS Water Resources

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Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323623103571401

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

USGS 323623103571401 20S.30E.03.22332

Eddy County, New Mexico
Latitude 32°36'23", Longitude 103°57'14" NAD27
Land-surface elevation 3,186 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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			A
1948-12-23			D 62611		3180.04	NAVD88	1	Z			A
1948-12-23			D 72019	5.96			1	Z			A

Explanation

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

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0.32 0.22 nadww01



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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323630103575901

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

Eddy County, New Mexico
Latitude 32°36'30", Longitude 103°57'59" NAD27
Land-surface elevation 3,215 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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			A
1968-06-13			D 62611		3178.80	NAVD88	1	Z			A
1968-06-13			D 72019	36.20			1	Z			A
1971-02-09			D 62610		3180.72	NGVD29	1	Z			A
1971-02-09			D 62611		3182.22	NAVD88	1	Z			A
1971-02-09			D 72019	32.78			1	Z			A

Explanation

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

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



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Page Last Modified: 2024-08-28 10:40:31 EDT

0.37 0.25 nadww02



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USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323558103570501

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			A
1948-12-23			D 62611		3179.49	NAVD88	1	Z			A
1948-12-23			D 72019	8.51			1	Z			A

Explanation

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

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Title: Groundwater for New Mexico: Water Levels

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



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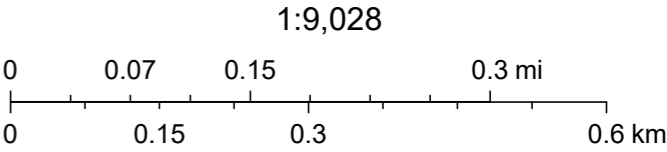
0.41 0.28 nadww02

Elevate Spill #2



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

- OSW Water Bodys
- OSE Streams



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APPENDIX E

CARMONA RESOURCES





Environment Testing

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14

ANALYTICAL REPORT

PREPARED FOR

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

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

JOB DESCRIPTION

Spill #2
Eddy County. New Mexico

JOB NUMBER

880-48706-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

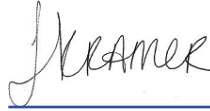
Eurofins Midland

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
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Carmona Resources
Project/Site: Spill #2

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

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QC Association Summary	29
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Sample Summary	41
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Definitions/Glossary

Client: Carmona Resources
Project/Site: Spill #2

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

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Spill #2

Job ID: 880-48706-1

Job ID: 880-48706-1

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.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Spill #2

Job ID: 880-48706-1

Job ID: 880-48706-1 (Continued)

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48706-1

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:47	09/21/24 01:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/19/24 13:47	09/21/24 01:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	09/19/24 13:47	09/21/24 01:49	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/19/24 13:47	09/21/24 01:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/21/24 01:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 17:30	1

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	886		25.1		mg/Kg			09/20/24 18:59	5

Client Sample ID: S-1 (2')

Lab Sample ID: 880-48706-2

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 03:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	09/19/24 13:47	09/21/24 03:12	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/19/24 13:47	09/21/24 03:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: S-1 (2')

Lab Sample ID: 880-48706-2

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 03:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/23/24 17:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/21/24 17:31	09/23/24 17:46	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/21/24 17:31	09/23/24 17:46	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/21/24 17:31	09/23/24 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				09/21/24 17:31	09/23/24 17:46	1
o-Terphenyl	117		70 - 130				09/21/24 17:31	09/23/24 17:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1380		50.1		mg/Kg			09/20/24 19:26	10

Client Sample ID: S-1 (3')

Lab Sample ID: 880-48706-3

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 03:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 03:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 03:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/19/24 13:47	09/21/24 03:32	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/19/24 13:47	09/21/24 03:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/23/24 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/21/24 17:31	09/23/24 18:02	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/21/24 17:31	09/23/24 18:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: S-1 (3')

Lab Sample ID: 880-48706-3

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	947		25.2		mg/Kg			09/20/24 19:34	5

Client Sample ID: S-1 (4')

Lab Sample ID: 880-48706-4

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				09/21/24 17:31	09/23/24 18:18	1
o-Terphenyl	112		70 - 130				09/21/24 17:31	09/23/24 18:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: S-1 (5')

Lab Sample ID: 880-48706-5

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/23/24 18:34	1

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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

Lab Sample ID: 880-48706-6

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:47	09/21/24 04:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 04:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:47	09/21/24 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	09/19/24 13:47	09/21/24 04:33	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/19/24 13:47	09/21/24 04:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48706-6

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				09/21/24 17:31	09/23/24 18:50	1
o-Terphenyl	119		70 - 130				09/21/24 17:31	09/23/24 18:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: S-2 (2')

Lab Sample ID: 880-48706-7

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 19:06	1

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

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: S-2 (2')

Lab Sample ID: 880-48706-7

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				09/21/24 17:31	09/23/24 19:06	1
o-Terphenyl	123		70 - 130				09/21/24 17:31	09/23/24 19:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1540		24.8		mg/Kg			09/20/24 20:27	5

Client Sample ID: S-2 (3')

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)

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 05:14	1

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1630		25.0		mg/Kg			09/20/24 20:35	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: S-2 (4')

Lab Sample ID: 880-48706-9

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 19:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 19:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:31	09/23/24 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	09/21/24 17:31	09/23/24 19:40	1
o-Terphenyl	106		70 - 130	09/21/24 17:31	09/23/24 19:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: S-2 (5')

Lab Sample ID: 880-48706-10

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 05:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 05:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 05:55	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 13:47	09/21/24 05:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 05:55	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 13:47	09/21/24 05:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/19/24 13:47	09/21/24 05:55	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/19/24 13:47	09/21/24 05:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: S-2 (5')

Lab Sample ID: 880-48706-10

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/21/24 05:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/23/24 19:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 19:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 19:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:31	09/23/24 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	208	S1+	70 - 130				09/21/24 17:31	09/23/24 19:56	1
o-Terphenyl	194	S1+	70 - 130				09/21/24 17:31	09/23/24 19:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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

Lab Sample ID: 880-48706-11

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 06:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 06:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 06:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:47	09/21/24 06:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/21/24 06:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:47	09/21/24 06:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				09/19/24 13:47	09/21/24 06:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/19/24 13:47	09/21/24 06:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/24/24 00:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/23/24 09:26	09/24/24 00:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/24 09:26	09/24/24 00:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48706-11

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	758	F1	25.2		mg/Kg			09/20/24 16:53	5

Client Sample ID: S-3 (2')

Lab Sample ID: 880-48706-12

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: S-3 (3')

Lab Sample ID: 880-48706-13

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 17:00	09/21/24 07:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 17:00	09/21/24 07:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 17:00	09/21/24 07:28	1

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: S-3 (4')

Lab Sample ID: 880-48706-14

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 07:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 07:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 07:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 17:00	09/21/24 07:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 07:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 17:00	09/21/24 07:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	09/19/24 17:00	09/21/24 07:48	1
1,4-Difluorobenzene (Surr)	111		70 - 130	09/19/24 17:00	09/21/24 07:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: S-3 (4')

Lab Sample ID: 880-48706-14

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/21/24 07:48	1

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: S-3 (5')

Lab Sample ID: 880-48706-15

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 08:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 08:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 08:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 17:00	09/21/24 08:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 17:00	09/21/24 08:09	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 17:00	09/21/24 08:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				09/19/24 17:00	09/21/24 08:09	1
1,4-Difluorobenzene (Surr)	105		70 - 130				09/19/24 17:00	09/21/24 08:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/24/24 02:08	1

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

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

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

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/24 09:26	09/24/24 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				09/23/24 09:26	09/24/24 02:08	1
o-Terphenyl	91		70 - 130				09/23/24 09:26	09/24/24 02:08	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	784		24.8		mg/Kg			09/20/24 17:26	5

Surrogate Summary

Client: Carmona Resources
Project/Site: Spill #2

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

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-48699-A-1-G MS	Matrix Spike	132 S1+	126
880-48699-A-1-H MSD	Matrix Spike Duplicate	131 S1+	126
880-48706-1	S-1 (0-1')	143 S1+	127
880-48706-2	S-1 (2')	131 S1+	117
880-48706-3	S-1 (3')	143 S1+	126
880-48706-4	S-1 (4')	122	112
880-48706-5	S-1 (5')	138 S1+	127
880-48706-6	S-2 (0-1')	134 S1+	119
880-48706-7	S-2 (2')	134 S1+	123
880-48706-8	S-2 (3')	131 S1+	118
880-48706-9	S-2 (4')	115	106
880-48706-10	S-2 (5')	208 S1+	194 S1+

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-48706-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

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

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91200/5-A
Matrix: Solid
Analysis Batch: 91281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 91200

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

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

Lab Sample ID: LCS 880-91200/1-A
Matrix: Solid
Analysis Batch: 91281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 91200

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

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

Lab Sample ID: LCSD 880-91200/2-A
Matrix: Solid
Analysis Batch: 91281

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 91200

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

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

Lab Sample ID: 880-48620-A-3-B MS
Matrix: Solid
Analysis Batch: 91281

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

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

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

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91200

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

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

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

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91200

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

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

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

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91229

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

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

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

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91229

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

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

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91229

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

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

Lab Sample ID: LCSD 880-91229/2-A

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91229

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

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

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

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91229

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

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

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

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91229

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00202	U	0.0998	0.08768		mg/Kg		88	70 - 130	4	35
Toluene	<0.00202	U	0.0998	0.08281		mg/Kg		83	70 - 130	5	35
Ethylbenzene	<0.00202	U	0.0998	0.08049		mg/Kg		81	70 - 130	4	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1700		mg/Kg		85	70 - 130	4	35
o-Xylene	<0.00202	U	0.0998	0.08559		mg/Kg		86	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

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

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91229

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

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

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91286

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				09/20/24 09:13	09/20/24 11:46	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/20/24 09:13	09/20/24 11:46	1

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

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91287

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

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

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91410

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91410

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

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91410

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

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91410

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

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91410

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91410

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1102		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	1112		mg/Kg		108	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	131	S1+	70 - 130								
o-Terphenyl	126		70 - 130								

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

Matrix: Solid

Analysis Batch: 91462

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91441

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/23/24 09:26	09/23/24 21:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/24 09:26	09/23/24 21:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/24 09:26	09/23/24 21:17	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				09/23/24 09:26	09/23/24 21:17	1
o-Terphenyl	153	S1+	70 - 130				09/23/24 09:26	09/23/24 21:17	1

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

Matrix: Solid

Analysis Batch: 91462

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91441

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

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

Matrix: Solid

Analysis Batch: 91462

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91441

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

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

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

Matrix: Solid

Analysis Batch: 91462

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91441

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

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

Matrix: Solid

Analysis Batch: 91462

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91441

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

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

Matrix: Solid

Analysis Batch: 91462

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91441

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	765.5		mg/Kg		77	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	745.1		mg/Kg		75	70 - 130	2	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	102		70 - 130									
o-Terphenyl	88		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

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

Matrix: Solid

Analysis Batch: 91299

Client Sample ID: Method Blank

Prep Type: Soluble

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

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

Matrix: Solid

Analysis Batch: 91299

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Method: 300.0 - Anions, Ion Chromatography (Continued)

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

Matrix: Solid

Analysis Batch: 91299

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

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

Lab Sample ID: 880-48706-1 MS

Matrix: Solid

Analysis Batch: 91299

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

Prep Type: Soluble

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

Lab Sample ID: 880-48706-1 MSD

Matrix: Solid

Analysis Batch: 91299

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

Prep Type: Soluble

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

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

Matrix: Solid

Analysis Batch: 91312

Client Sample ID: Method Blank

Prep Type: Soluble

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

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

Matrix: Solid

Analysis Batch: 91312

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

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

Matrix: Solid

Analysis Batch: 91312

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

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

Lab Sample ID: 880-48706-11 MS

Matrix: Solid

Analysis Batch: 91312

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

Prep Type: Soluble

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

Lab Sample ID: 880-48706-11 MSD

Matrix: Solid

Analysis Batch: 91312

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

Prep Type: Soluble

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

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

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

GC VOA

Prep Batch: 91200

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

Prep Batch: 91229

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

Analysis Batch: 91278

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

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

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

GC VOA

Analysis Batch: 91281

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

Prep Batch: 91286

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

Prep Batch: 91287

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

Analysis Batch: 91497

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

GC Semi VOA

Prep Batch: 91410

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

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QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

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

GC Semi VOA (Continued)

Prep Batch: 91410 (Continued)

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

Prep Batch: 91441

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

Analysis Batch: 91462

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

Analysis Batch: 91463

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

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

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

GC Semi VOA

Analysis Batch: 91625

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

HPLC/IC

Leach Batch: 91277

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

Leach Batch: 91283

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

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

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

HPLC/IC

Analysis Batch: 91299

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

Analysis Batch: 91312

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

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48706-1

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Client Sample ID: S-1 (2')

Lab Sample ID: 880-48706-2

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Lab Sample ID: 880-48706-3

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Client Sample ID: S-1 (4')

Lab Sample ID: 880-48706-4

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: S-1 (4')

Lab Sample ID: 880-48706-4

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Client Sample ID: S-1 (5')

Lab Sample ID: 880-48706-5

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Client Sample ID: S-2 (2')

Lab Sample ID: 880-48706-7

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: S-2 (2')**Lab Sample ID: 880-48706-7****Date Collected: 09/13/24 00:00****Matrix: Solid****Date Received: 09/19/24 11:40**

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

Client Sample ID: S-2 (3')**Lab Sample ID: 880-48706-8****Date Collected: 09/13/24 00:00****Matrix: Solid****Date Received: 09/19/24 11:40**

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

Client Sample ID: S-2 (4')**Lab Sample ID: 880-48706-9****Date Collected: 09/13/24 00:00****Matrix: Solid****Date Received: 09/19/24 11:40**

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

Client Sample ID: S-2 (5')**Lab Sample ID: 880-48706-10****Date Collected: 09/13/24 00:00****Matrix: Solid****Date Received: 09/19/24 11:40**

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

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48706-11

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Client Sample ID: S-3 (2')

Lab Sample ID: 880-48706-12

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Client Sample ID: S-3 (3')

Lab Sample ID: 880-48706-13

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Client Sample ID: S-3 (4')

Lab Sample ID: 880-48706-14

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: S-3 (4')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48706-14
Matrix: Solid

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

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

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

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

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Spill #2

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

Laboratory: Eurofins Midland

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

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

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



Chain of Custody



880-48706 Chain of Custody

Page 1 of 2

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

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

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

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST										Preservative Codes	Sample Comments
S-1 (0-1')	9/13/2024		X		G	1	Chloride 300.0 TPH 8015M (GRO + DRO + MRO) BTX 8021B											None: NO	DI Water: H ₂ O	
S-1 (2')	9/13/2024		X		G	1													Cool: Cool	MeOH: Me
S-1 (3')	9/13/2024		X		G	1													HCL: HC	HNO ₃ : HN
S-1 (4')	9/13/2024		X		G	1													H ₂ SO ₄ : H ₂	NaOH: Na
S-1 (5')	9/13/2024		X		G	1													H ₃ PO ₄ : HP	
S-2 (0-1')	9/13/2024		X		G	1													NaHSO ₄ : NABIS	
S-2 (2')	9/13/2024		X		G	1													Na ₂ S ₂ O ₃ : NaSO ₃	
S-2 (3')	9/13/2024		X		G	1													Zn Acetate+NaOH: Zn	
S-2 (4')	9/13/2024		X		G	1													NaOH+Ascorbic Acid: SAPC	
S-2 (5')	9/13/2024		X		G	1														

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

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

Chain of Custody

Work Order No: 45706

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[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

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

Login Number: 48706
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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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

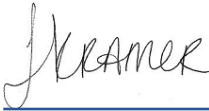
Eurofins Midland

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



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9/24/2024 12:14:06 PM

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

Client: Carmona Resources
Project/Site: Spil #2

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

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Spil #2

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

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Spil #2

Job ID: 880-48705-1

Job ID: 880-48705-1

Eurofins Midland

Job Narrative 880-48705-1

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

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

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

Receipt

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

Receipt Exceptions

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

GC VOA

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

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

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

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

Diesel Range Organics

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

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

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

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spil #2

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

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

Lab Sample ID: 880-48705-1

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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

Lab Sample ID: 880-48705-2

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:30	09/21/24 06:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:30	09/21/24 06:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/19/24 13:30	09/21/24 06:06	1
1,4-Difluorobenzene (Surr)	103		70 - 130	09/19/24 13:30	09/21/24 06:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spil #2

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

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

Lab Sample ID: 880-48705-2

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/21/24 06:06	1

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12000		248		mg/Kg			09/20/24 18:33	50

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

Lab Sample ID: 880-48705-3

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:30	09/21/24 06:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:30	09/21/24 06:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:30	09/21/24 06:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				09/19/24 13:30	09/21/24 06:27	1
1,4-Difluorobenzene (Surr)	94		70 - 130				09/19/24 13:30	09/21/24 06:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 16:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 16:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spil #2

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

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

Lab Sample ID: 880-48705-3

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:31	09/23/24 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				09/21/24 17:31	09/23/24 16:42	1
o-Terphenyl	114		70 - 130				09/21/24 17:31	09/23/24 16:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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

Lab Sample ID: 880-48705-4

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/23/24 16:58	1

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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Surrogate Summary

Client: Carmona Resources
Project/Site: Spil #2

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

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

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

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-48699-A-1-G MS	Matrix Spike	132 S1+	126
880-48699-A-1-H MSD	Matrix Spike Duplicate	131 S1+	126
880-48705-1	H-1 (0-1')	162 S1+	145 S1+
880-48705-2	H-2 (0-1')	147 S1+	130
880-48705-3	H-3 (0-1')	126	114
880-48705-4	H-4 (0-1')	135 S1+	125
LCS 880-91410/2-A	Lab Control Sample	111	106
LCSD 880-91410/3-A	Lab Control Sample Dup	113	107
MB 880-91410/1-A	Method Blank	118	106
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Spil #2

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

Method: 8021B - Volatile Organic Compounds (GC)

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

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91200

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

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

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

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91200

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

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

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

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91200

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

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

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

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91200

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Spil #2

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

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

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

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91200

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

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

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

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91200

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

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

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

Matrix: Solid

Analysis Batch: 91281

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91287

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

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

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

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91410

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Spil #2

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

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

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91410

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:30	09/23/24 11:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:30	09/23/24 11:38	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				09/21/24 17:30	09/23/24 11:38	1
o-Terphenyl	106		70 - 130				09/21/24 17:30	09/23/24 11:38	1

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91410

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

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91410

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

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91410

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Spil #2

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

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

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

Matrix: Solid

Analysis Batch: 91463

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91410

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1102		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	1112		mg/Kg		108	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	131	S1+	70 - 130								
o-Terphenyl	126		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

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

Matrix: Solid

Analysis Batch: 91299

Client Sample ID: Method Blank

Prep Type: Soluble

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

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

Matrix: Solid

Analysis Batch: 91299

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

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

Matrix: Solid

Analysis Batch: 91299

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

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

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

Matrix: Solid

Analysis Batch: 91299

Client Sample ID: Matrix Spike

Prep Type: Soluble

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

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

Matrix: Solid

Analysis Batch: 91299

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

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

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QC Association Summary

Client: Carmona Resources
Project/Site: Spil #2

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

GC VOA

Prep Batch: 91200

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

Analysis Batch: 91281

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

Prep Batch: 91287

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

Analysis Batch: 91496

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

GC Semi VOA

Prep Batch: 91410

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

Analysis Batch: 91463

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

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QC Association Summary

Client: Carmona Resources
Project/Site: Spil #2

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

GC Semi VOA (Continued)

Analysis Batch: 91463 (Continued)

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

Analysis Batch: 91633

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

HPLC/IC

Leach Batch: 91277

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

Analysis Batch: 91299

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

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spil #2

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

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

Lab Sample ID: 880-48705-1
Matrix: Solid

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

Client Sample ID: H-2 (0-1')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48705-2
Matrix: Solid

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

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

Lab Sample ID: 880-48705-3
Matrix: Solid

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

Client Sample ID: H-4 (0-1')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48705-4
Matrix: Solid

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

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Lab Chronicle

Client: Carmona Resources
Project/Site: Spil #2

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

Client Sample ID: H-4 (0-1')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48705-4
Matrix: Solid

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

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Spil #2

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

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Spil #2

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

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Spil #2

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

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

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- 10
- 11
- 12
- 13
- 14



880-48705 Chain of Custody



Page 1 of 1

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

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

[illegible]

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

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

Login Sample Receipt Checklist

Client: Carmona Resources

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

Login Number: 48705
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

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

JOB DESCRIPTION

Spill #2
Eddy County. New Mexico

JOB NUMBER

880-48707-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

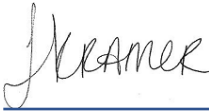
Eurofins Midland

Job Notes

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

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

Authorization



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

Client: Carmona Resources
Project/Site: Spill #2

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

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Spill #2

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

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Spill #2

Job ID: 880-48707-1

Job ID: 880-48707-1

Eurofins Midland

Job Narrative
880-48707-1

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

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

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

Receipt

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

GC VOA

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

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

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

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

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

Diesel Range Organics

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

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

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

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

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

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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Spill #2

Job ID: 880-48707-1

Job ID: 880-48707-1 (Continued)

Eurofins Midland

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

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

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

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

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-91285 and analytical batch 880-91341 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-91283 and analytical batch 880-91312 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-91284 and analytical batch 880-91328 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-1

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 16:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 16:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 16:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 13:42	09/22/24 16:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 16:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 13:42	09/22/24 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	09/19/24 13:42	09/22/24 16:33	1
1,4-Difluorobenzene (Surr)	109		70 - 130	09/19/24 13:42	09/22/24 16:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9380		99.8		mg/Kg			09/20/24 17:42	20

Client Sample ID: BG-1 (2')

Lab Sample ID: 880-48707-2

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:42	09/22/24 16:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:42	09/22/24 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	09/19/24 13:42	09/22/24 16:53	1
1,4-Difluorobenzene (Surr)	111		70 - 130	09/19/24 13:42	09/22/24 16:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-1 (2')

Lab Sample ID: 880-48707-2

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/22/24 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/22/24 10:23	1

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2440		50.0		mg/Kg			09/20/24 17:47	10

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

Lab Sample ID: 880-48707-3

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 17:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 17:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 17:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:42	09/22/24 17:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 17:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:42	09/22/24 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				09/19/24 13:42	09/22/24 17:13	1
1,4-Difluorobenzene (Surr)	113		70 - 130				09/19/24 13:42	09/22/24 17:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/22/24 10:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	50.0		mg/Kg		09/21/24 17:33	09/22/24 10:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		09/21/24 17:33	09/22/24 10:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-3

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: BG-2 (2')

Lab Sample ID: 880-48707-4

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/22/24 11:01	1

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-5

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 17:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 17:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 17:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 17:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 17:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	09/19/24 13:42	09/22/24 17:54	1
1,4-Difluorobenzene (Surr)	104		70 - 130	09/19/24 13:42	09/22/24 17:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 17:54	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	49.9		mg/Kg		09/21/24 17:33	09/22/24 11:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9		mg/Kg		09/21/24 17:33	09/22/24 11:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:33	09/22/24 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	172	S1+	70 - 130	09/21/24 17:33	09/22/24 11:21	1
o-Terphenyl	177	S1+	70 - 130	09/21/24 17:33	09/22/24 11:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: BG-3 (2')

Lab Sample ID: 880-48707-6

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 18:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 18:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 18:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:42	09/22/24 18:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 18:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:42	09/22/24 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	09/19/24 13:42	09/22/24 18:15	1
1,4-Difluorobenzene (Surr)	111		70 - 130	09/19/24 13:42	09/22/24 18:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-3 (2')

Lab Sample ID: 880-48707-6

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/22/24 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	50.0		mg/Kg		09/21/24 17:33	09/22/24 11:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		09/21/24 17:33	09/22/24 11:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:33	09/22/24 11:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				09/21/24 17:33	09/22/24 11:40	1
o-Terphenyl	160	S1+	70 - 130				09/21/24 17:33	09/22/24 11:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4180	F1	99.4		mg/Kg			09/20/24 18:09	20

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

Lab Sample ID: 880-48707-7

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 18:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 18:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 18:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 18:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 18:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				09/19/24 13:42	09/22/24 18:35	1
1,4-Difluorobenzene (Surr)	110		70 - 130				09/19/24 13:42	09/22/24 18:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *- *1	49.7		mg/Kg		09/21/24 17:33	09/22/24 12:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	49.7		mg/Kg		09/21/24 17:33	09/22/24 12:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-7

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5300		99.2		mg/Kg			09/20/24 18:25	20

Client Sample ID: BG-4 (2')

Lab Sample ID: 880-48707-8

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/22/24 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 12:19	1
Diesel Range Organics (Over C10-C28)	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 12:19	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/21/24 17:33	09/22/24 12:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	183	S1+	70 - 130				09/21/24 17:33	09/22/24 12:19	1
o-Terphenyl	193	S1+	70 - 130				09/21/24 17:33	09/22/24 12:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-9

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 19:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:42	09/22/24 19:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 19:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:42	09/22/24 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	09/19/24 13:42	09/22/24 19:16	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/19/24 13:42	09/22/24 19:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/22/24 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *- *1	50.1		mg/Kg		09/21/24 17:33	09/22/24 12:40	1
Diesel Range Organics (Over C10-C28)	<50.1	U *- *1	50.1		mg/Kg		09/21/24 17:33	09/22/24 12:40	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/21/24 17:33	09/22/24 12:40	1

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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

Lab Sample ID: 880-48707-10

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-10

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/22/24 19:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/22/24 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 12:58	1
Diesel Range Organics (Over C10-C28)	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 12:58	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:33	09/22/24 12:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	158	S1+	70 - 130				09/21/24 17:33	09/22/24 12:58	1
o-Terphenyl	167	S1+	70 - 130				09/21/24 17:33	09/22/24 12:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2610		50.0		mg/Kg			09/20/24 18:52	10

Client Sample ID: BG-6 (2')

Lab Sample ID: 880-48707-11

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 21:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 21:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				09/19/24 13:42	09/22/24 21:27	1
1,4-Difluorobenzene (Surr)	106		70 - 130				09/19/24 13:42	09/22/24 21:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 21:27	1

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

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

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

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-6 (2')

Lab Sample ID: 880-48707-11

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	923		25.1		mg/Kg			09/20/24 18:57	5

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

Lab Sample ID: 880-48707-12

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/22/24 13:55	1

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-7 (2')

Lab Sample ID: 880-48707-13

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:42	09/22/24 22:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 13:42	09/22/24 22:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	09/19/24 13:42	09/22/24 22:07	1
1,4-Difluorobenzene (Surr)	111		70 - 130	09/19/24 13:42	09/22/24 22:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/22/24 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/22/24 14:15	1

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

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	176	S1+	70 - 130	09/21/24 17:33	09/22/24 14:15	1
o-Terphenyl	183	S1+	70 - 130	09/21/24 17:33	09/22/24 14:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1670		100		mg/Kg			09/20/24 19:08	20

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

Lab Sample ID: 880-48707-14

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 22:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:42	09/22/24 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	09/19/24 13:42	09/22/24 22:28	1
1,4-Difluorobenzene (Surr)	115		70 - 130	09/19/24 13:42	09/22/24 22:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-14

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/22/24 22:28	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *- *1	50.3		mg/Kg		09/21/24 17:33	09/22/24 14:33	1
Diesel Range Organics (Over C10-C28)	<50.3	U *- *1	50.3		mg/Kg		09/21/24 17:33	09/22/24 14:33	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/21/24 17:33	09/22/24 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				09/21/24 17:33	09/22/24 14:33	1
o-Terphenyl	150	S1+	70 - 130				09/21/24 17:33	09/22/24 14:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: BG-8 (2')

Lab Sample ID: 880-48707-15

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-8 (2')

Lab Sample ID: 880-48707-15

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/21/24 17:33	09/22/24 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	174	S1+	70 - 130				09/21/24 17:33	09/22/24 14:53	1
o-Terphenyl	177	S1+	70 - 130				09/21/24 17:33	09/22/24 14:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1660		49.8		mg/Kg			09/20/24 19:19	10

Client Sample ID: BG-9 (0-1')

Lab Sample ID: 880-48707-16

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 23:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 23:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 23:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:42	09/22/24 23:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/22/24 23:09	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:42	09/22/24 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				09/19/24 13:42	09/22/24 23:09	1
1,4-Difluorobenzene (Surr)	116		70 - 130				09/19/24 13:42	09/22/24 23:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/22/24 23:09	1

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-9 (2')

Lab Sample ID: 880-48707-17

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 23:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	09/19/24 13:42	09/22/24 23:29	1
1,4-Difluorobenzene (Surr)	108		70 - 130	09/19/24 13:42	09/22/24 23:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/22/24 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 15:32	1
Diesel Range Organics (Over C10-C28)	<50.2	U *- *1	50.2		mg/Kg		09/21/24 17:33	09/22/24 15:32	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/21/24 17:33	09/22/24 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	09/21/24 17:33	09/22/24 15:32	1
o-Terphenyl	152	S1+	70 - 130	09/21/24 17:33	09/22/24 15:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		25.1		mg/Kg			09/20/24 22:29	5

Client Sample ID: BG-10 (0-1')

Lab Sample ID: 880-48707-18

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:42	09/22/24 23:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:42	09/22/24 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	09/19/24 13:42	09/22/24 23:50	1
1,4-Difluorobenzene (Surr)	113		70 - 130	09/19/24 13:42	09/22/24 23:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-10 (0-1')

Lab Sample ID: 880-48707-18

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/24 23:50	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *- *1	50.4		mg/Kg		09/21/24 17:33	09/22/24 15:51	1
Diesel Range Organics (Over C10-C28)	<50.4	U *- *1	50.4		mg/Kg		09/21/24 17:33	09/22/24 15:51	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/21/24 17:33	09/22/24 15:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130				09/21/24 17:33	09/22/24 15:51	1
o-Terphenyl	154	S1+	70 - 130				09/21/24 17:33	09/22/24 15:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6460		101		mg/Kg			09/23/24 12:59	20

Client Sample ID: BG-10 (2')

Lab Sample ID: 880-48707-19

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:10	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 13:42	09/23/24 00:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:42	09/23/24 00:10	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 13:42	09/23/24 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				09/19/24 13:42	09/23/24 00:10	1
1,4-Difluorobenzene (Surr)	112		70 - 130				09/19/24 13:42	09/23/24 00:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/22/24 16:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 16:11	1
Diesel Range Organics (Over C10-C28)	<50.5	U *- *1	50.5		mg/Kg		09/21/24 17:33	09/22/24 16:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-10 (2')

Lab Sample ID: 880-48707-19

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5340		99.6		mg/Kg			09/20/24 22:47	20

Client Sample ID: BG-11 (0-1')

Lab Sample ID: 880-48707-20

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/22/24 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	50.0		mg/Kg		09/21/24 17:33	09/22/24 16:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		09/21/24 17:33	09/22/24 16:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:33	09/22/24 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				09/21/24 17:33	09/22/24 16:30	1
o-Terphenyl	140	S1+	70 - 130				09/21/24 17:33	09/22/24 16:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14800		248		mg/Kg			09/20/24 22:55	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-11 (2')

Lab Sample ID: 880-48707-21

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/20/24 23:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/20/24 23:27	1
Ethylbenzene	<0.00202	U F1	0.00202		mg/Kg		09/19/24 13:45	09/20/24 23:27	1
m-Xylene & p-Xylene	<0.00404	U F1	0.00404		mg/Kg		09/19/24 13:45	09/20/24 23:27	1
o-Xylene	<0.00202	U F1	0.00202		mg/Kg		09/19/24 13:45	09/20/24 23:27	1
Xylenes, Total	<0.00404	U F1	0.00404		mg/Kg		09/19/24 13:45	09/20/24 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	09/19/24 13:45	09/20/24 23:27	1
1,4-Difluorobenzene (Surr)	88		70 - 130	09/19/24 13:45	09/20/24 23:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/20/24 23:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/22/24 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/21/24 17:36	09/22/24 18:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		09/21/24 17:36	09/22/24 18:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:36	09/22/24 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	09/21/24 17:36	09/22/24 18:07	1
o-Terphenyl	133	S1+	70 - 130	09/21/24 17:36	09/22/24 18:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13400		251		mg/Kg			09/20/24 23:22	50

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

Lab Sample ID: 880-48707-22

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:45	09/20/24 23:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:45	09/20/24 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	09/19/24 13:45	09/20/24 23:48	1
1,4-Difluorobenzene (Surr)	87		70 - 130	09/19/24 13:45	09/20/24 23:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-22

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/22/24 19:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 19:04	1
Diesel Range Organics (Over C10-C28)	<50.5	U **	50.5		mg/Kg		09/21/24 17:36	09/22/24 19:04	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				09/21/24 17:36	09/22/24 19:04	1
o-Terphenyl	138	S1+	70 - 130				09/21/24 17:36	09/22/24 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5220		99.6		mg/Kg			09/20/24 23:30	20

Client Sample ID: BG-12 (2')

Lab Sample ID: 880-48707-23

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/19/24 13:45	09/21/24 00:08	1
1,4-Difluorobenzene (Surr)	88		70 - 130				09/19/24 13:45	09/21/24 00:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-12 (2')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-23
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:36	09/22/24 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				09/21/24 17:36	09/22/24 19:23	1
o-Terphenyl	170	S1+	70 - 130				09/21/24 17:36	09/22/24 19:23	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4640		99.4		mg/Kg			09/20/24 23:39	20

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

Lab Sample ID: 880-48707-24
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 00:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				09/19/24 13:45	09/21/24 00:29	1
1,4-Difluorobenzene (Surr)	78		70 - 130				09/19/24 13:45	09/21/24 00:29	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 00:29	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/22/24 19:44	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/22/24 19:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		09/21/24 17:36	09/22/24 19:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/22/24 19:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	165	S1+	70 - 130				09/21/24 17:36	09/22/24 19:44	1
o-Terphenyl	175	S1+	70 - 130				09/21/24 17:36	09/22/24 19:44	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9590		249		mg/Kg			09/20/24 23:48	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-13 (2')

Lab Sample ID: 880-48707-25

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 00:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	09/19/24 13:45	09/21/24 00:50	1
1,4-Difluorobenzene (Surr)	88		70 - 130	09/19/24 13:45	09/21/24 00:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 00:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/22/24 20:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		09/21/24 17:36	09/22/24 20:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	09/21/24 17:36	09/22/24 20:03	1
o-Terphenyl	142	S1+	70 - 130	09/21/24 17:36	09/22/24 20:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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

Lab Sample ID: 880-48707-26

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 01:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 01:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 01:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:45	09/21/24 01:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 01:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:45	09/21/24 01:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	09/19/24 13:45	09/21/24 01:10	1
1,4-Difluorobenzene (Surr)	80		70 - 130	09/19/24 13:45	09/21/24 01:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-26

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/21/24 17:36	09/22/24 20:23	1
Diesel Range Organics (Over C10-C28)	<50.3	U **	50.3		mg/Kg		09/21/24 17:36	09/22/24 20:23	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/21/24 17:36	09/22/24 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	161	S1+	70 - 130				09/21/24 17:36	09/22/24 20:23	1
o-Terphenyl	171	S1+	70 - 130				09/21/24 17:36	09/22/24 20:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: BG-14 (2')

Lab Sample ID: 880-48707-27

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 01:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 01:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 01:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 01:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 01:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 01:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				09/19/24 13:45	09/21/24 01:31	1
1,4-Difluorobenzene (Surr)	75		70 - 130				09/19/24 13:45	09/21/24 01:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/22/24 20:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/21/24 17:36	09/22/24 20:42	1
Diesel Range Organics (Over C10-C28)	<50.1	U **	50.1		mg/Kg		09/21/24 17:36	09/22/24 20:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-14 (2')

Lab Sample ID: 880-48707-27

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2670		25.3		mg/Kg			09/21/24 00:32	5

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

Lab Sample ID: 880-48707-28

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/21/24 01:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/22/24 21:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/21/24 17:36	09/22/24 21:01	1
Diesel Range Organics (Over C10-C28)	<50.4	U **	50.4		mg/Kg		09/21/24 17:36	09/22/24 21:01	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/21/24 17:36	09/22/24 21:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	167	S1+	70 - 130				09/21/24 17:36	09/22/24 21:01	1
o-Terphenyl	180	S1+	70 - 130				09/21/24 17:36	09/22/24 21:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		5.01		mg/Kg			09/21/24 00:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-15 (2')

Lab Sample ID: 880-48707-29

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 02:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 02:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 02:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:45	09/21/24 02:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 02:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:45	09/21/24 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	09/19/24 13:45	09/21/24 02:12	1
1,4-Difluorobenzene (Surr)	81		70 - 130	09/19/24 13:45	09/21/24 02:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/22/24 21:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 21:21	1
Diesel Range Organics (Over C10-C28)	<50.5	U **	50.5		mg/Kg		09/21/24 17:36	09/22/24 21:21	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 21:21	1

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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

Lab Sample ID: 880-48707-30

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:45	09/21/24 02:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:45	09/21/24 02:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:45	09/21/24 02:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/19/24 13:45	09/21/24 02:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/19/24 13:45	09/21/24 02:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/19/24 13:45	09/21/24 02:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	09/19/24 13:45	09/21/24 02:32	1
1,4-Difluorobenzene (Surr)	84		70 - 130	09/19/24 13:45	09/21/24 02:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-30

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/21/24 02:32	1

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: BG-16 (2')

Lab Sample ID: 880-48707-31

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 03:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 03:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 03:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 03:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 03:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				09/19/24 13:45	09/21/24 03:57	1
1,4-Difluorobenzene (Surr)	76		70 - 130				09/19/24 13:45	09/21/24 03:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-16 (2')

Lab Sample ID: 880-48707-31

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:36	09/22/24 22:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				09/21/24 17:36	09/22/24 22:19	1
o-Terphenyl	167	S1+	70 - 130				09/21/24 17:36	09/22/24 22:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	943		25.2		mg/Kg			09/21/24 01:24	5

Client Sample ID: BG-17 (0-1')

Lab Sample ID: 880-48707-32

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 04:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 04:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 04:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 04:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 04:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 04:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				09/19/24 13:45	09/21/24 04:17	1
1,4-Difluorobenzene (Surr)	84		70 - 130				09/19/24 13:45	09/21/24 04:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.7		5.04		mg/Kg			09/21/24 01:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

Client Sample ID: BG-17 (2')

Lab Sample ID: 880-48707-33

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:45	09/21/24 04:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 13:45	09/21/24 04:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	09/19/24 13:45	09/21/24 04:38	1
1,4-Difluorobenzene (Surr)	92		70 - 130	09/19/24 13:45	09/21/24 04:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/21/24 04:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/22/24 22:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 22:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		09/21/24 17:36	09/22/24 22:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 22:58	1

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.21		4.96		mg/Kg			09/21/24 01:41	1

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

Lab Sample ID: 880-48707-34

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:45	09/21/24 04:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/21/24 04:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:45	09/21/24 04:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	09/19/24 13:45	09/21/24 04:59	1
1,4-Difluorobenzene (Surr)	81		70 - 130	09/19/24 13:45	09/21/24 04:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

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

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

Lab Sample ID: 880-48707-34

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/22/24 23:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		09/21/24 17:36	09/22/24 23:17	1
Diesel Range Organics (Over C10-C28)	<50.2	U **	50.2		mg/Kg		09/21/24 17:36	09/22/24 23:17	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/21/24 17:36	09/22/24 23:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				09/21/24 17:36	09/22/24 23:17	1
o-Terphenyl	148	S1+	70 - 130				09/21/24 17:36	09/22/24 23:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: BG-18 (2')

Lab Sample ID: 880-48707-35

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/21/24 17:36	09/22/24 23:36	1
Diesel Range Organics (Over C10-C28)	<50.4	U **	50.4		mg/Kg		09/21/24 17:36	09/22/24 23:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-18 (2')

Lab Sample ID: 880-48707-35

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/21/24 17:36	09/22/24 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				09/21/24 17:36	09/22/24 23:36	1
o-Terphenyl	149	S1+	70 - 130				09/21/24 17:36	09/22/24 23:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.78		5.00		mg/Kg			09/21/24 01:59	1

Client Sample ID: BG-19 (0-1')

Lab Sample ID: 880-48707-36

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 05:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 05:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 05:40	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 05:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 05:40	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 05:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				09/19/24 13:45	09/21/24 05:40	1
1,4-Difluorobenzene (Surr)	75		70 - 130				09/19/24 13:45	09/21/24 05:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/21/24 05:40	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/22/24 23:55	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 23:55	1
Diesel Range Organics (Over C10-C28)	<50.5	U **	50.5		mg/Kg		09/21/24 17:36	09/22/24 23:55	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/22/24 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130				09/21/24 17:36	09/22/24 23:55	1
o-Terphenyl	149	S1+	70 - 130				09/21/24 17:36	09/22/24 23:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10100	F1	101		mg/Kg			09/21/24 03:56	20

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-19 (2')

Lab Sample ID: 880-48707-37

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 06:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	09/19/24 13:45	09/21/24 06:00	1
1,4-Difluorobenzene (Surr)	84		70 - 130	09/19/24 13:45	09/21/24 06:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 06:00	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/23/24 00:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/23/24 00:14	1
Diesel Range Organics (Over C10-C28)	<50.5	U **	50.5		mg/Kg		09/21/24 17:36	09/23/24 00:14	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:36	09/23/24 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130	09/21/24 17:36	09/23/24 00:14	1
o-Terphenyl	150	S1+	70 - 130	09/21/24 17:36	09/23/24 00:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5230		100		mg/Kg			09/21/24 04:16	20

Client Sample ID: BG-20 (0-1')

Lab Sample ID: 880-48707-38

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:45	09/21/24 06:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:45	09/21/24 06:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	09/19/24 13:45	09/21/24 06:21	1
1,4-Difluorobenzene (Surr)	80		70 - 130	09/19/24 13:45	09/21/24 06:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-20 (0-1')

Lab Sample ID: 880-48707-38

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 06:21	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 00:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	172	S1+	70 - 130				09/21/24 17:36	09/23/24 00:33	1
o-Terphenyl	180	S1+	70 - 130				09/21/24 17:36	09/23/24 00:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6870		101		mg/Kg			09/21/24 04:22	20

Client Sample ID: BG-20 (2')

Lab Sample ID: 880-48707-39

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 13:45	09/21/24 06:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 06:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 13:45	09/21/24 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				09/19/24 13:45	09/21/24 06:42	1
1,4-Difluorobenzene (Surr)	83		70 - 130				09/19/24 13:45	09/21/24 06:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/21/24 06:42	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 00:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-20 (2')

Lab Sample ID: 880-48707-39

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/23/24 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	159	S1+	70 - 130				09/21/24 17:36	09/23/24 00:53	1
o-Terphenyl	172	S1+	70 - 130				09/21/24 17:36	09/23/24 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4790		99.6		mg/Kg			09/21/24 04:29	20

Client Sample ID: BG-21 (0-1')

Lab Sample ID: 880-48707-40

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 07:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 07:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 07:02	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 07:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:45	09/21/24 07:02	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:45	09/21/24 07:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				09/19/24 13:45	09/21/24 07:02	1
1,4-Difluorobenzene (Surr)	73		70 - 130				09/19/24 13:45	09/21/24 07:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/21/24 07:02	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/23/24 01:13	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/23/24 01:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		09/21/24 17:36	09/23/24 01:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:36	09/23/24 01:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				09/21/24 17:36	09/23/24 01:13	1
o-Terphenyl	149	S1+	70 - 130				09/21/24 17:36	09/23/24 01:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.9		4.96		mg/Kg			09/21/24 04:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-21 (2')

Lab Sample ID: 880-48707-41

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 22:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 22:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 22:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/24 13:47	09/20/24 22:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 22:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/24 13:47	09/20/24 22:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	09/19/24 13:47	09/20/24 22:45	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/19/24 13:47	09/20/24 22:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/20/24 22:45	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/22/24 22:38	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/21/24 17:28	09/22/24 22:38	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/21/24 17:28	09/22/24 22:38	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:28	09/22/24 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130	09/21/24 17:28	09/22/24 22:38	1
o-Terphenyl	147	S1+	70 - 130	09/21/24 17:28	09/22/24 22:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1020		5.04		mg/Kg			09/21/24 04:56	1

Client Sample ID: BG-22 (0-1')

Lab Sample ID: 880-48707-42

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 23:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 23:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 23:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/19/24 13:47	09/20/24 23:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 23:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/19/24 13:47	09/20/24 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	09/19/24 13:47	09/20/24 23:05	1
1,4-Difluorobenzene (Surr)	102		70 - 130	09/19/24 13:47	09/20/24 23:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-22 (0-1')

Lab Sample ID: 880-48707-42

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/20/24 23:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/22/24 22:58	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/21/24 17:28	09/22/24 22:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/21/24 17:28	09/22/24 22:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:28	09/22/24 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				09/21/24 17:28	09/22/24 22:58	1
o-Terphenyl	129		70 - 130				09/21/24 17:28	09/22/24 22:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3290		99.4		mg/Kg			09/21/24 05:02	20

Client Sample ID: BG-22 (2')

Lab Sample ID: 880-48707-43

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/24 13:47	09/20/24 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				09/19/24 13:47	09/20/24 23:26	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/19/24 13:47	09/20/24 23:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/20/24 23:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/22/24 23:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/22/24 23:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/22/24 23:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-22 (2')

Lab Sample ID: 880-48707-43

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/22/24 23:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				09/21/24 17:28	09/22/24 23:17	1
o-Terphenyl	131	S1+	70 - 130				09/21/24 17:28	09/22/24 23:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1940		49.8		mg/Kg			09/21/24 05:09	10

Client Sample ID: BG-23 (0-1')

Lab Sample ID: 880-48707-44

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/20/24 23:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/20/24 23:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/20/24 23:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/20/24 23:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/20/24 23:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/20/24 23:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				09/19/24 13:47	09/20/24 23:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/19/24 13:47	09/20/24 23:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/20/24 23:46	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/22/24 23:36	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/21/24 17:28	09/22/24 23:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/21/24 17:28	09/22/24 23:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:28	09/22/24 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				09/21/24 17:28	09/22/24 23:36	1
o-Terphenyl	125		70 - 130				09/21/24 17:28	09/22/24 23:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2440		99.0		mg/Kg			09/21/24 05:16	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-23 (2')

Lab Sample ID: 880-48707-45

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 00:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/19/24 13:47	09/21/24 00:07	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/19/24 13:47	09/21/24 00:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 00:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/22/24 23:55	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/21/24 17:28	09/22/24 23:55	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/21/24 17:28	09/22/24 23:55	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/21/24 17:28	09/22/24 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130	09/21/24 17:28	09/22/24 23:55	1
o-Terphenyl	153	S1+	70 - 130	09/21/24 17:28	09/22/24 23:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2630		99.0		mg/Kg			09/21/24 05:23	20

Client Sample ID: BG-24 (0-1')

Lab Sample ID: 880-48707-46

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 00:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 00:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 00:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:47	09/21/24 00:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 00:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:47	09/21/24 00:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	09/19/24 13:47	09/21/24 00:27	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/19/24 13:47	09/21/24 00:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-24 (0-1')

Lab Sample ID: 880-48707-46

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 00:27	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/23/24 00:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		09/21/24 17:28	09/23/24 00:14	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		09/21/24 17:28	09/23/24 00:14	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/21/24 17:28	09/23/24 00:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				09/21/24 17:28	09/23/24 00:14	1
o-Terphenyl	130		70 - 130				09/21/24 17:28	09/23/24 00:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2590		100		mg/Kg			09/21/24 05:29	20

Client Sample ID: BG-24 (2')

Lab Sample ID: 880-48707-47

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 00:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/24 13:47	09/21/24 00:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/24 13:47	09/21/24 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				09/19/24 13:47	09/21/24 00:48	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/19/24 13:47	09/21/24 00:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/21/24 00:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/23/24 00:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/21/24 17:28	09/23/24 00:33	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/21/24 17:28	09/23/24 00:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-24 (2')

Lab Sample ID: 880-48707-47

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/21/24 17:28	09/23/24 00:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				09/21/24 17:28	09/23/24 00:33	1
o-Terphenyl	157	S1+	70 - 130				09/21/24 17:28	09/23/24 00:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2000		101		mg/Kg			09/21/24 05:49	20

Client Sample ID: BG-25 (0-1')

Lab Sample ID: 880-48707-48

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:47	09/21/24 01:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:47	09/21/24 01:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:47	09/21/24 01:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/19/24 13:47	09/21/24 01:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/19/24 13:47	09/21/24 01:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/19/24 13:47	09/21/24 01:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/19/24 13:47	09/21/24 01:08	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/19/24 13:47	09/21/24 01:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/21/24 01:08	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/23/24 00:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/21/24 17:28	09/23/24 00:53	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/21/24 17:28	09/23/24 00:53	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/21/24 17:28	09/23/24 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				09/21/24 17:28	09/23/24 00:53	1
o-Terphenyl	144	S1+	70 - 130				09/21/24 17:28	09/23/24 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.57		4.98		mg/Kg			09/21/24 05:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-25 (2')

Lab Sample ID: 880-48707-49

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 01:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 01:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 01:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/24 13:47	09/21/24 01:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/21/24 01:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/24 13:47	09/21/24 01:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/19/24 13:47	09/21/24 01:29	1
1,4-Difluorobenzene (Surr)	102		70 - 130	09/19/24 13:47	09/21/24 01:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/21/24 01:29	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/23/24 01:13	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/23/24 01:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/23/24 01:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/23/24 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	09/21/24 17:28	09/23/24 01:13	1
o-Terphenyl	136	S1+	70 - 130	09/21/24 17:28	09/23/24 01:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.38		4.95		mg/Kg			09/21/24 06:16	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-48707-1	BG-1 (0-1')	97	109
880-48707-1 MS	BG-1 (0-1')	113	97
880-48707-1 MSD	BG-1 (0-1')	119	108
880-48707-2	BG-1 (2')	120	111
880-48707-3	BG-2 (0-1')	123	113
880-48707-4	BG-2 (2')	127	108
880-48707-5	BG-3 (0-1')	115	104
880-48707-6	BG-3 (2')	130	111
880-48707-7	BG-4 (0-1')	128	110
880-48707-8	BG-4 (2')	133 S1+	116
880-48707-9	BG-5 (0-1')	126	106
880-48707-10	BG-6 (0-1')	134 S1+	105
880-48707-11	BG-6 (2')	96	106
880-48707-12	BG-7 (0-1')	131 S1+	117
880-48707-13	BG-7 (2')	121	111
880-48707-14	BG-8 (0-1')	128	115
880-48707-15	BG-8 (2')	128	111
880-48707-16	BG-9 (0-1')	119	116
880-48707-17	BG-9 (2')	140 S1+	108
880-48707-18	BG-10 (0-1')	130	113
880-48707-19	BG-10 (2')	132 S1+	112
880-48707-20	BG-11 (0-1')	142 S1+	124
880-48707-21	BG-11 (2')	90	88
880-48707-21 MS	BG-11 (2')	89	107
880-48707-21 MSD	BG-11 (2')	91	97
880-48707-22	BG-12 (0-1')	82	87
880-48707-23	BG-12 (2')	90	88
880-48707-24	BG-13 (0-1')	87	78
880-48707-25	BG-13 (2')	85	88
880-48707-26	BG-14 (0-1')	101	80
880-48707-27	BG-14 (2')	85	75
880-48707-28	BG-15 (0-1')	84	74
880-48707-29	BG-15 (2')	84	81
880-48707-30	BG-16 (0-1')	86	84
880-48707-31	BG-16 (2')	91	76
880-48707-32	BG-17 (0-1')	87	84
880-48707-33	BG-17 (2')	91	92
880-48707-34	BG-18 (0-1')	90	81
880-48707-35	BG-18 (2')	85	90
880-48707-36	BG-19 (0-1')	83	75
880-48707-37	BG-19 (2')	85	84
880-48707-38	BG-20 (0-1')	93	80
880-48707-39	BG-20 (2')	89	83
880-48707-40	BG-21 (0-1')	86	73
880-48707-41	BG-21 (2')	112	100
880-48707-41 MS	BG-21 (2')	103	99
880-48707-41 MSD	BG-21 (2')	104	101
880-48707-42	BG-22 (0-1')	102	102
880-48707-43	BG-22 (2')	109	102

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Surrogate Summary

Client: Carmona Resources

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-48707-44	BG-23 (0-1')	108	101
880-48707-45	BG-23 (2')	106	101
880-48707-46	BG-24 (0-1')	110	99
880-48707-47	BG-24 (2')	114	100
880-48707-48	BG-25 (0-1')	104	102
880-48707-49	BG-25 (2')	106	102
LCS 880-91227/1-A	Lab Control Sample	103	94
LCS 880-91228/1-A	Lab Control Sample	124	111
LCS 880-91229/1-A	Lab Control Sample	101	99
LCSD 880-91227/2-A	Lab Control Sample Dup	108	100
LCSD 880-91228/2-A	Lab Control Sample Dup	89	110
LCSD 880-91229/2-A	Lab Control Sample Dup	101	98
MB 880-91198/5-A	Method Blank	74	93
MB 880-91227/5-A	Method Blank	170 S1+	99
MB 880-91228/5-A	Method Blank	77	93
MB 880-91229/5-A	Method Blank	105	99
MB 880-91286/5-A	Method Blank	105	100
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-48608-A-1-D MS	Matrix Spike	131 S1+	124
880-48608-A-1-E MSD	Matrix Spike Duplicate	119	111
880-48707-1	BG-1 (0-1')	162 S1+	168 S1+
880-48707-1 MS	BG-1 (0-1')	155 S1+	136 S1+
880-48707-1 MSD	BG-1 (0-1')	180 S1+	164 S1+
880-48707-2	BG-1 (2')	179 S1+	184 S1+
880-48707-3	BG-2 (0-1')	165 S1+	170 S1+
880-48707-4	BG-2 (2')	170 S1+	173 S1+
880-48707-5	BG-3 (0-1')	172 S1+	177 S1+
880-48707-6	BG-3 (2')	149 S1+	160 S1+
880-48707-7	BG-4 (0-1')	148 S1+	146 S1+
880-48707-8	BG-4 (2')	183 S1+	193 S1+
880-48707-9	BG-5 (0-1')	145 S1+	143 S1+
880-48707-10	BG-6 (0-1')	158 S1+	167 S1+
880-48707-11	BG-6 (2')	150 S1+	153 S1+
880-48707-12	BG-7 (0-1')	169 S1+	179 S1+
880-48707-13	BG-7 (2')	176 S1+	183 S1+
880-48707-14	BG-8 (0-1')	143 S1+	150 S1+
880-48707-15	BG-8 (2')	174 S1+	177 S1+
880-48707-16	BG-9 (0-1')	158 S1+	158 S1+
880-48707-17	BG-9 (2')	136 S1+	152 S1+
880-48707-18	BG-10 (0-1')	154 S1+	154 S1+
880-48707-19	BG-10 (2')	148 S1+	151 S1+

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-48707-1

Project/Site: Spill #2

SDG: Eddy County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-48707-20	BG-11 (0-1')	138 S1+	140 S1+
880-48707-21	BG-11 (2')	127	133 S1+
880-48707-21 MS	BG-11 (2')	138 S1+	128
880-48707-21 MSD	BG-11 (2')	157 S1+	147 S1+
880-48707-22	BG-12 (0-1')	130	138 S1+
880-48707-23	BG-12 (2')	138 S1+	170 S1+
880-48707-24	BG-13 (0-1')	165 S1+	175 S1+
880-48707-25	BG-13 (2')	131 S1+	142 S1+
880-48707-26	BG-14 (0-1')	161 S1+	171 S1+
880-48707-27	BG-14 (2')	144 S1+	158 S1+
880-48707-28	BG-15 (0-1')	167 S1+	180 S1+
880-48707-29	BG-15 (2')	236 S1+	242 S1+
880-48707-30	BG-16 (0-1')	133 S1+	134 S1+
880-48707-31	BG-16 (2')	155 S1+	167 S1+
880-48707-32	BG-17 (0-1')	132 S1+	136 S1+
880-48707-33	BG-17 (2')	138 S1+	141 S1+
880-48707-34	BG-18 (0-1')	149 S1+	148 S1+
880-48707-35	BG-18 (2')	151 S1+	149 S1+
880-48707-36	BG-19 (0-1')	146 S1+	149 S1+
880-48707-37	BG-19 (2')	146 S1+	150 S1+
880-48707-38	BG-20 (0-1')	172 S1+	180 S1+
880-48707-39	BG-20 (2')	159 S1+	172 S1+
880-48707-40	BG-21 (0-1')	139 S1+	149 S1+
880-48707-41	BG-21 (2')	146 S1+	147 S1+
880-48707-42	BG-22 (0-1')	121	129
880-48707-43	BG-22 (2')	132 S1+	131 S1+
880-48707-44	BG-23 (0-1')	130	125
880-48707-45	BG-23 (2')	155 S1+	153 S1+
880-48707-46	BG-24 (0-1')	132 S1+	130
880-48707-47	BG-24 (2')	155 S1+	157 S1+
880-48707-48	BG-25 (0-1')	151 S1+	144 S1+
880-48707-49	BG-25 (2')	138 S1+	136 S1+
LCS 880-91409/2-A	Lab Control Sample	103	97
LCS 880-91411/2-A	Lab Control Sample	122	119
LCS 880-91412/2-A	Lab Control Sample	103	89
LCSD 880-91409/3-A	Lab Control Sample Dup	105	99
LCSD 880-91411/3-A	Lab Control Sample Dup	105	93
LCSD 880-91412/3-A	Lab Control Sample Dup	111	103
MB 880-91409/1-A	Method Blank	213 S1+	218 S1+
MB 880-91411/1-A	Method Blank	261 S1+	284 S1+
MB 880-91412/1-A	Method Blank	270 S1+	279 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91198/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 91280							Prep Batch: 91198		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 10:56	09/20/24 12:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130				09/19/24 10:56	09/20/24 12:21	1
1,4-Difluorobenzene (Surr)	93		70 - 130				09/19/24 10:56	09/20/24 12:21	1

Lab Sample ID: MB 880-91227/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 91420							Prep Batch: 91227		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:42	09/22/24 16:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:42	09/22/24 16:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 13:42	09/22/24 16:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130				09/19/24 13:42	09/22/24 16:04	1
1,4-Difluorobenzene (Surr)	99		70 - 130				09/19/24 13:42	09/22/24 16:04	1

Lab Sample ID: LCS 880-91227/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 91420							Prep Batch: 91227		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1021		mg/Kg		102	70 - 130		
Toluene	0.100	0.09883		mg/Kg		99	70 - 130		
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130		
m-Xylene & p-Xylene	0.200	0.2115		mg/Kg		106	70 - 130		
o-Xylene	0.100	0.1089		mg/Kg		109	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	94		70 - 130						

Lab Sample ID: LCSD 880-91227/2-A							Client Sample ID: Lab Control Sample Dup		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 91420							Prep Batch: 91227		
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1015		mg/Kg		102	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-91227/2-A

Matrix: Solid

Analysis Batch: 91420

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91227

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.09251		mg/Kg		93	70 - 130	7		35
Ethylbenzene	0.100	0.1102		mg/Kg		110	70 - 130	7		35
m-Xylene & p-Xylene	0.200	0.2387		mg/Kg		119	70 - 130	12		35
o-Xylene	0.100	0.1055		mg/Kg		106	70 - 130	3		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-48707-1 MS

Matrix: Solid

Analysis Batch: 91420

Client Sample ID: BG-1 (0-1')

Prep Type: Total/NA

Prep Batch: 91227

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00202	U	0.101	0.08248		mg/Kg		82	70 - 130	
Toluene	<0.00202	U	0.101	0.07404		mg/Kg		73	70 - 130	
Ethylbenzene	<0.00202	U	0.101	0.08590		mg/Kg		85	70 - 130	
m-Xylene & p-Xylene	<0.00404	U	0.202	0.1882		mg/Kg		93	70 - 130	
o-Xylene	<0.00202	U	0.101	0.08214		mg/Kg		81	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-48707-1 MSD

Matrix: Solid

Analysis Batch: 91420

Client Sample ID: BG-1 (0-1')

Prep Type: Total/NA

Prep Batch: 91227

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00202	U	0.0998	0.08261		mg/Kg		83	70 - 130	0		35
Toluene	<0.00202	U	0.0998	0.06973		mg/Kg		70	70 - 130	6		35
Ethylbenzene	<0.00202	U	0.0998	0.07660		mg/Kg		77	70 - 130	11		35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1796		mg/Kg		90	70 - 130	5		35
o-Xylene	<0.00202	U	0.0998	0.08533		mg/Kg		86	70 - 130	4		35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: MB 880-91228/5-A

Matrix: Solid

Analysis Batch: 91280

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91228

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:45	09/20/24 23:06	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-91228/5-A

Matrix: Solid

Analysis Batch: 91280

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91228

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:45	09/20/24 23:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 13:45	09/20/24 23:06	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	77		70 - 130	09/19/24 13:45	09/20/24 23:06	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/19/24 13:45	09/20/24 23:06	1

Lab Sample ID: LCS 880-91228/1-A

Matrix: Solid

Analysis Batch: 91280

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91228

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.09797		mg/Kg		98	70 - 130
Toluene	0.100	0.09648		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2079		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1291		mg/Kg		129	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-91228/2-A

Matrix: Solid

Analysis Batch: 91280

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91228

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.09044		mg/Kg		90	70 - 130	8	35
Toluene	0.100	0.08444		mg/Kg		84	70 - 130	13	35
Ethylbenzene	0.100	0.08576		mg/Kg		86	70 - 130	24	35
m-Xylene & p-Xylene	0.200	0.1610		mg/Kg		81	70 - 130	25	35
o-Xylene	0.100	0.09263		mg/Kg		93	70 - 130	33	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-48707-21 MS

Matrix: Solid

Analysis Batch: 91280

Client Sample ID: BG-11 (2')

Prep Type: Total/NA

Prep Batch: 91228

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00202	U	0.101	0.08121		mg/Kg		81	70 - 130
Toluene	<0.00202	U	0.101	0.07346		mg/Kg		73	70 - 130
Ethylbenzene	<0.00202	U F1	0.101	0.06568	F1	mg/Kg		65	70 - 130
m-Xylene & p-Xylene	<0.00404	U F1	0.202	0.1199	F1	mg/Kg		59	70 - 130
o-Xylene	<0.00202	U F1	0.101	0.06022	F1	mg/Kg		60	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-48707-21 MS

Matrix: Solid

Analysis Batch: 91280

Client Sample ID: BG-11 (2')

Prep Type: Total/NA

Prep Batch: 91228

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-48707-21 MSD

Matrix: Solid

Analysis Batch: 91280

Client Sample ID: BG-11 (2')

Prep Type: Total/NA

Prep Batch: 91228

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0998	0.07131		mg/Kg		71	70 - 130	13	35
Toluene	<0.00202	U	0.0998	0.06991		mg/Kg		70	70 - 130	5	35
Ethylbenzene	<0.00202	U F1	0.0998	0.06585	F1	mg/Kg		66	70 - 130	0	35
m-Xylene & p-Xylene	<0.00404	U F1	0.200	0.1358	F1	mg/Kg		68	70 - 130	12	35
o-Xylene	<0.00202	U F1	0.0998	0.06396	F1	mg/Kg		64	70 - 130	6	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-91229/5-A

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91229

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 13:47	09/20/24 22:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 13:47	09/20/24 22:23	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	09/19/24 13:47	09/20/24 22:23	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/19/24 13:47	09/20/24 22:23	1

Lab Sample ID: LCS 880-91229/1-A

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91229

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09103		mg/Kg		91	70 - 130
Toluene	0.100	0.08674		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08487		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1799		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09124		mg/Kg		91	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-91229/1-A
Matrix: Solid
Analysis Batch: 91278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 91229

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-91229/2-A
Matrix: Solid
Analysis Batch: 91278

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 91229

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09165		mg/Kg		92	70 - 130	1	35
Toluene	0.100	0.08666		mg/Kg		87	70 - 130	0	35
Ethylbenzene	0.100	0.08550		mg/Kg		86	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1816		mg/Kg		91	70 - 130	1	35
o-Xylene	0.100	0.09161		mg/Kg		92	70 - 130	0	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-48707-41 MS
Matrix: Solid
Analysis Batch: 91278

Client Sample ID: BG-21 (2')
Prep Type: Total/NA
Prep Batch: 91229

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.101	0.08410		mg/Kg		83	70 - 130
Toluene	<0.00202	U	0.101	0.07905		mg/Kg		78	70 - 130
Ethylbenzene	<0.00202	U	0.101	0.07720		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.202	0.1625		mg/Kg		81	70 - 130
o-Xylene	<0.00202	U	0.101	0.08190		mg/Kg		81	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-48707-41 MSD
Matrix: Solid
Analysis Batch: 91278

Client Sample ID: BG-21 (2')
Prep Type: Total/NA
Prep Batch: 91229

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0998	0.08768		mg/Kg		88	70 - 130	4	35
Toluene	<0.00202	U	0.0998	0.08281		mg/Kg		83	70 - 130	5	35
Ethylbenzene	<0.00202	U	0.0998	0.08049		mg/Kg		81	70 - 130	4	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1700		mg/Kg		85	70 - 130	4	35
o-Xylene	<0.00202	U	0.0998	0.08559		mg/Kg		86	70 - 130	4	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-91286/5-A

Matrix: Solid

Analysis Batch: 91278

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/20/24 09:13	09/20/24 11:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/20/24 09:13	09/20/24 11:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	09/20/24 09:13	09/20/24 11:46	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/20/24 09:13	09/20/24 11:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-91409/1-A

Matrix: Solid

Analysis Batch: 91414

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91409

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/22/24 17:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/22/24 17:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:28	09/22/24 17:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	213	S1+	70 - 130	09/21/24 17:28	09/22/24 17:09	1
o-Terphenyl	218	S1+	70 - 130	09/21/24 17:28	09/22/24 17:09	1

Lab Sample ID: LCS 880-91409/2-A

Matrix: Solid

Analysis Batch: 91414

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91409

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	856.8		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	862.5		mg/Kg		86	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-91409/3-A

Matrix: Solid

Analysis Batch: 91414

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91409

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	854.6		mg/Kg		85	70 - 130	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-91409/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 91414

Prep Batch: 91409

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Diesel Range Organics (Over C10-C28)	1000	939.8		mg/Kg		94	70 - 130	9	20

	LCSD	LCSD	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>1-Chlorooctane</i>	105		70 - 130
<i>o-Terphenyl</i>	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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1010	725.4	F1	mg/Kg		69	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	879.6		mg/Kg		83	70 - 130		

	MS	MS	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>1-Chlorooctane</i>	131	S1+	70 - 130
<i>o-Terphenyl</i>	124		70 - 130

Lab Sample ID: 880-48608-A-1-E MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 91414

Prep Batch: 91409

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1010	688.5	F1	mg/Kg		65	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	784.0		mg/Kg		74	70 - 130	11	20

	<i>MSD</i>	<i>MSD</i>	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>1-Chlorooctane</i>	119		70 - 130
<i>o-Terphenyl</i>	111		70 - 130

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:33	09/22/24 07:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:33	09/22/24 07:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:33	09/22/24 07:13	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	261	S1+	70 - 130	09/21/24 17:33	09/22/24 07:13	1
o-Terphenyl	284	S1+	70 - 130	09/21/24 17:33	09/22/24 07:13	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-91411/2-A

Matrix: Solid

Analysis Batch: 91416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	694.6	*-	mg/Kg		69		70 - 130		
Diesel Range Organics (Over C10-C28)	1000	608.0	*-	mg/Kg		61		70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits							
1-Chlorooctane	122		70 - 130							
o-Terphenyl	119		70 - 130							

Lab Sample ID: LCSD 880-91411/3-A

Matrix: Solid

Analysis Batch: 91416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91411

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	866.2	*1	mg/Kg		87	70 - 130	22	20
Diesel Range Organics (Over C10-C28)			1000	967.8	*1	mg/Kg		97	70 - 130	46	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	105		70 - 130								
o-Terphenyl	93		70 - 130								

Lab Sample ID: 880-48707-1 MS

Matrix: Solid

Analysis Batch: 91416

Client Sample ID: BG-1 (0-1')

Prep Type: Total/NA

Prep Batch: 91411

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	1000	1048		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1 F1	1000	1204		mg/Kg		115	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	155	S1+	70 - 130								
o-Terphenyl	136	S1+	70 - 130								

Lab Sample ID: 880-48707-1 MSD

Matrix: Solid

Analysis Batch: 91416

Client Sample ID: BG-1 (0-1')

Prep Type: Total/NA

Prep Batch: 91411

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		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
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	180	S1+	70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 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
<i>o</i> -Terphenyl	164	S1+	70 - 130

Lab Sample ID: MB 880-91412/1-A

Matrix: Solid

Analysis Batch: 91416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91412

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 17:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 17:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:36	09/22/24 17:09	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	270	S1+	70 - 130				09/21/24 17:36	09/22/24 17:09	1
<i>o</i> -Terphenyl	279	S1+	70 - 130				09/21/24 17:36	09/22/24 17:09	1

Lab Sample ID: LCS 880-91412/2-A

Matrix: Solid

Analysis Batch: 91416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91412

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1116		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1333	*+	mg/Kg		133	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	103		70 - 130				
<i>o</i> -Terphenyl	89		70 - 130				

Lab Sample ID: LCSD 880-91412/3-A

Matrix: Solid

Analysis Batch: 91416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91412

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1121		mg/Kg		112	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1104		mg/Kg		110	70 - 130	19	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	111		70 - 130						
<i>o</i> -Terphenyl	103		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 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 (GRO)-C6-C10	<49.8	U	1010	1113		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U *+	1010	1159		mg/Kg		111	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	138	S1+	70 - 130								
o-Terphenyl	128		70 - 130								

Lab Sample ID: 880-48707-21 MSD

Matrix: Solid

Analysis Batch: 91416

Client Sample ID: BG-11 (2')

Prep Type: Total/NA

Prep Batch: 91412

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1010	1147		mg/Kg		112	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U +*	1010	1324		mg/Kg		127	70 - 130	13	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	157	S1+	70 - 130								
o-Terphenyl	147	S1+	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91283/1-A

Matrix: Solid

Analysis Batch: 91312

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			09/20/24 16:37	1

Lab Sample ID: LCS 880-91283/2-A

Matrix: Solid

Analysis Batch: 91312

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Chloride	250	247.3		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-91283/3-A

Matrix: Solid

Analysis Batch: 91312

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD	RPD
							Limits		Limits
Chloride	250	248.2		mg/Kg		99	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-48707-6 MS

Matrix: Solid

Analysis Batch: 91312

Client Sample ID: BG-3 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4180	F1	4970	10960	F1	mg/Kg		137	90 - 110

Lab Sample ID: 880-48707-6 MSD

Matrix: Solid

Analysis Batch: 91312

Client Sample ID: BG-3 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4180	F1	4970	10980	F1	mg/Kg		137	90 - 110	0	20

Lab Sample ID: MB 880-91284/1-A

Matrix: Solid

Analysis Batch: 91328

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/20/24 21:37	1

Lab Sample ID: LCS 880-91284/2-A

Matrix: Solid

Analysis Batch: 91328

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	234.7		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-91284/3-A

Matrix: Solid

Analysis Batch: 91328

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	232.2		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 880-48707-16 MS

Matrix: Solid

Analysis Batch: 91328

Client Sample ID: BG-9 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2220	F1	2520	5101	F1	mg/Kg		114	90 - 110

Lab Sample ID: 880-48707-16 MSD

Matrix: Solid

Analysis Batch: 91328

Client Sample ID: BG-9 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2220	F1	2520	5080	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: 880-48707-26 MS

Matrix: Solid

Analysis Batch: 91328

Client Sample ID: BG-14 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3230	F1	2480	6062	F1	mg/Kg		114	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-48707-26 MSD

Matrix: Solid

Analysis Batch: 91328

Client Sample ID: BG-14 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	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

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/21/24 03:36	1

Lab Sample ID: LCS 880-91285/2-A

Matrix: Solid

Analysis Batch: 91341

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.3		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-91285/3-A

Matrix: Solid

Analysis Batch: 91341

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.6		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-48707-36 MS

Matrix: Solid

Analysis Batch: 91341

Client Sample ID: BG-19 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10100	F1	5030	16850	F1	mg/Kg		135	90 - 110

Lab Sample ID: 880-48707-36 MSD

Matrix: Solid

Analysis Batch: 91341

Client Sample ID: BG-19 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10100	F1	5030	17140	F1	mg/Kg		140	90 - 110	2	20

Lab Sample ID: 880-48707-46 MS

Matrix: Solid

Analysis Batch: 91341

Client Sample ID: BG-24 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2590		5010	7998		mg/Kg		108	90 - 110

Lab Sample ID: 880-48707-46 MSD

Matrix: Solid

Analysis Batch: 91341

Client Sample ID: BG-24 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2590		5010	7997		mg/Kg		108	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

GC VOA

Prep Batch: 91198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91198/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 91227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	5035	
880-48707-2	BG-1 (2')	Total/NA	Solid	5035	
880-48707-3	BG-2 (0-1')	Total/NA	Solid	5035	
880-48707-4	BG-2 (2')	Total/NA	Solid	5035	
880-48707-5	BG-3 (0-1')	Total/NA	Solid	5035	
880-48707-6	BG-3 (2')	Total/NA	Solid	5035	
880-48707-7	BG-4 (0-1')	Total/NA	Solid	5035	
880-48707-8	BG-4 (2')	Total/NA	Solid	5035	
880-48707-9	BG-5 (0-1')	Total/NA	Solid	5035	
880-48707-10	BG-6 (0-1')	Total/NA	Solid	5035	
880-48707-11	BG-6 (2')	Total/NA	Solid	5035	
880-48707-12	BG-7 (0-1')	Total/NA	Solid	5035	
880-48707-13	BG-7 (2')	Total/NA	Solid	5035	
880-48707-14	BG-8 (0-1')	Total/NA	Solid	5035	
880-48707-15	BG-8 (2')	Total/NA	Solid	5035	
880-48707-16	BG-9 (0-1')	Total/NA	Solid	5035	
880-48707-17	BG-9 (2')	Total/NA	Solid	5035	
880-48707-18	BG-10 (0-1')	Total/NA	Solid	5035	
880-48707-19	BG-10 (2')	Total/NA	Solid	5035	
880-48707-20	BG-11 (0-1')	Total/NA	Solid	5035	
MB 880-91227/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91227/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91227/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48707-1 MS	BG-1 (0-1')	Total/NA	Solid	5035	
880-48707-1 MSD	BG-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 91228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-21	BG-11 (2')	Total/NA	Solid	5035	
880-48707-22	BG-12 (0-1')	Total/NA	Solid	5035	
880-48707-23	BG-12 (2')	Total/NA	Solid	5035	
880-48707-24	BG-13 (0-1')	Total/NA	Solid	5035	
880-48707-25	BG-13 (2')	Total/NA	Solid	5035	
880-48707-26	BG-14 (0-1')	Total/NA	Solid	5035	
880-48707-27	BG-14 (2')	Total/NA	Solid	5035	
880-48707-28	BG-15 (0-1')	Total/NA	Solid	5035	
880-48707-29	BG-15 (2')	Total/NA	Solid	5035	
880-48707-30	BG-16 (0-1')	Total/NA	Solid	5035	
880-48707-31	BG-16 (2')	Total/NA	Solid	5035	
880-48707-32	BG-17 (0-1')	Total/NA	Solid	5035	
880-48707-33	BG-17 (2')	Total/NA	Solid	5035	
880-48707-34	BG-18 (0-1')	Total/NA	Solid	5035	
880-48707-35	BG-18 (2')	Total/NA	Solid	5035	
880-48707-36	BG-19 (0-1')	Total/NA	Solid	5035	
880-48707-37	BG-19 (2')	Total/NA	Solid	5035	
880-48707-38	BG-20 (0-1')	Total/NA	Solid	5035	
880-48707-39	BG-20 (2')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

GC VOA (Continued)

Prep Batch: 91228 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-40	BG-21 (0-1')	Total/NA	Solid	5035	
MB 880-91228/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91228/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91228/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48707-21 MS	BG-11 (2')	Total/NA	Solid	5035	
880-48707-21 MSD	BG-11 (2')	Total/NA	Solid	5035	

Prep Batch: 91229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Total/NA	Solid	5035	
880-48707-42	BG-22 (0-1')	Total/NA	Solid	5035	
880-48707-43	BG-22 (2')	Total/NA	Solid	5035	
880-48707-44	BG-23 (0-1')	Total/NA	Solid	5035	
880-48707-45	BG-23 (2')	Total/NA	Solid	5035	
880-48707-46	BG-24 (0-1')	Total/NA	Solid	5035	
880-48707-47	BG-24 (2')	Total/NA	Solid	5035	
880-48707-48	BG-25 (0-1')	Total/NA	Solid	5035	
880-48707-49	BG-25 (2')	Total/NA	Solid	5035	
MB 880-91229/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91229/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91229/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48707-41 MS	BG-21 (2')	Total/NA	Solid	5035	
880-48707-41 MSD	BG-21 (2')	Total/NA	Solid	5035	

Analysis Batch: 91278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Total/NA	Solid	8021B	91229
880-48707-42	BG-22 (0-1')	Total/NA	Solid	8021B	91229
880-48707-43	BG-22 (2')	Total/NA	Solid	8021B	91229
880-48707-44	BG-23 (0-1')	Total/NA	Solid	8021B	91229
880-48707-45	BG-23 (2')	Total/NA	Solid	8021B	91229
880-48707-46	BG-24 (0-1')	Total/NA	Solid	8021B	91229
880-48707-47	BG-24 (2')	Total/NA	Solid	8021B	91229
880-48707-48	BG-25 (0-1')	Total/NA	Solid	8021B	91229
880-48707-49	BG-25 (2')	Total/NA	Solid	8021B	91229
MB 880-91229/5-A	Method Blank	Total/NA	Solid	8021B	91229
MB 880-91286/5-A	Method Blank	Total/NA	Solid	8021B	91286
LCS 880-91229/1-A	Lab Control Sample	Total/NA	Solid	8021B	91229
LCSD 880-91229/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91229
880-48707-41 MS	BG-21 (2')	Total/NA	Solid	8021B	91229
880-48707-41 MSD	BG-21 (2')	Total/NA	Solid	8021B	91229

Analysis Batch: 91280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-21	BG-11 (2')	Total/NA	Solid	8021B	91228
880-48707-22	BG-12 (0-1')	Total/NA	Solid	8021B	91228
880-48707-23	BG-12 (2')	Total/NA	Solid	8021B	91228
880-48707-24	BG-13 (0-1')	Total/NA	Solid	8021B	91228
880-48707-25	BG-13 (2')	Total/NA	Solid	8021B	91228
880-48707-26	BG-14 (0-1')	Total/NA	Solid	8021B	91228
880-48707-27	BG-14 (2')	Total/NA	Solid	8021B	91228

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QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

GC VOA (Continued)

Analysis Batch: 91280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-28	BG-15 (0-1')	Total/NA	Solid	8021B	91228
880-48707-29	BG-15 (2')	Total/NA	Solid	8021B	91228
880-48707-30	BG-16 (0-1')	Total/NA	Solid	8021B	91228
880-48707-31	BG-16 (2')	Total/NA	Solid	8021B	91228
880-48707-32	BG-17 (0-1')	Total/NA	Solid	8021B	91228
880-48707-33	BG-17 (2')	Total/NA	Solid	8021B	91228
880-48707-34	BG-18 (0-1')	Total/NA	Solid	8021B	91228
880-48707-35	BG-18 (2')	Total/NA	Solid	8021B	91228
880-48707-36	BG-19 (0-1')	Total/NA	Solid	8021B	91228
880-48707-37	BG-19 (2')	Total/NA	Solid	8021B	91228
880-48707-38	BG-20 (0-1')	Total/NA	Solid	8021B	91228
880-48707-39	BG-20 (2')	Total/NA	Solid	8021B	91228
880-48707-40	BG-21 (0-1')	Total/NA	Solid	8021B	91228
MB 880-91198/5-A	Method Blank	Total/NA	Solid	8021B	91198
MB 880-91228/5-A	Method Blank	Total/NA	Solid	8021B	91228
LCS 880-91228/1-A	Lab Control Sample	Total/NA	Solid	8021B	91228
LCSD 880-91228/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91228
880-48707-21 MS	BG-11 (2')	Total/NA	Solid	8021B	91228
880-48707-21 MSD	BG-11 (2')	Total/NA	Solid	8021B	91228

Prep Batch: 91286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91286/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 91420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	8021B	91227
880-48707-2	BG-1 (2')	Total/NA	Solid	8021B	91227
880-48707-3	BG-2 (0-1')	Total/NA	Solid	8021B	91227
880-48707-4	BG-2 (2')	Total/NA	Solid	8021B	91227
880-48707-5	BG-3 (0-1')	Total/NA	Solid	8021B	91227
880-48707-6	BG-3 (2')	Total/NA	Solid	8021B	91227
880-48707-7	BG-4 (0-1')	Total/NA	Solid	8021B	91227
880-48707-8	BG-4 (2')	Total/NA	Solid	8021B	91227
880-48707-9	BG-5 (0-1')	Total/NA	Solid	8021B	91227
880-48707-10	BG-6 (0-1')	Total/NA	Solid	8021B	91227
880-48707-11	BG-6 (2')	Total/NA	Solid	8021B	91227
880-48707-12	BG-7 (0-1')	Total/NA	Solid	8021B	91227
880-48707-13	BG-7 (2')	Total/NA	Solid	8021B	91227
880-48707-14	BG-8 (0-1')	Total/NA	Solid	8021B	91227
880-48707-15	BG-8 (2')	Total/NA	Solid	8021B	91227
880-48707-16	BG-9 (0-1')	Total/NA	Solid	8021B	91227
880-48707-17	BG-9 (2')	Total/NA	Solid	8021B	91227
880-48707-18	BG-10 (0-1')	Total/NA	Solid	8021B	91227
880-48707-19	BG-10 (2')	Total/NA	Solid	8021B	91227
880-48707-20	BG-11 (0-1')	Total/NA	Solid	8021B	91227
MB 880-91227/5-A	Method Blank	Total/NA	Solid	8021B	91227
LCS 880-91227/1-A	Lab Control Sample	Total/NA	Solid	8021B	91227
LCSD 880-91227/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91227
880-48707-1 MS	BG-1 (0-1')	Total/NA	Solid	8021B	91227
880-48707-1 MSD	BG-1 (0-1')	Total/NA	Solid	8021B	91227

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 91472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-2	BG-1 (2')	Total/NA	Solid	Total BTEX	
880-48707-3	BG-2 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-4	BG-2 (2')	Total/NA	Solid	Total BTEX	
880-48707-5	BG-3 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-6	BG-3 (2')	Total/NA	Solid	Total BTEX	
880-48707-7	BG-4 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-8	BG-4 (2')	Total/NA	Solid	Total BTEX	
880-48707-9	BG-5 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-10	BG-6 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-11	BG-6 (2')	Total/NA	Solid	Total BTEX	
880-48707-12	BG-7 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-13	BG-7 (2')	Total/NA	Solid	Total BTEX	
880-48707-14	BG-8 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-15	BG-8 (2')	Total/NA	Solid	Total BTEX	
880-48707-16	BG-9 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-17	BG-9 (2')	Total/NA	Solid	Total BTEX	
880-48707-18	BG-10 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-19	BG-10 (2')	Total/NA	Solid	Total BTEX	
880-48707-20	BG-11 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-21	BG-11 (2')	Total/NA	Solid	Total BTEX	
880-48707-22	BG-12 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-23	BG-12 (2')	Total/NA	Solid	Total BTEX	
880-48707-24	BG-13 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-25	BG-13 (2')	Total/NA	Solid	Total BTEX	
880-48707-26	BG-14 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-27	BG-14 (2')	Total/NA	Solid	Total BTEX	
880-48707-28	BG-15 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-29	BG-15 (2')	Total/NA	Solid	Total BTEX	
880-48707-30	BG-16 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-31	BG-16 (2')	Total/NA	Solid	Total BTEX	
880-48707-32	BG-17 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-33	BG-17 (2')	Total/NA	Solid	Total BTEX	
880-48707-34	BG-18 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-35	BG-18 (2')	Total/NA	Solid	Total BTEX	
880-48707-36	BG-19 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-37	BG-19 (2')	Total/NA	Solid	Total BTEX	
880-48707-38	BG-20 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-39	BG-20 (2')	Total/NA	Solid	Total BTEX	
880-48707-40	BG-21 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-41	BG-21 (2')	Total/NA	Solid	Total BTEX	
880-48707-42	BG-22 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-43	BG-22 (2')	Total/NA	Solid	Total BTEX	
880-48707-44	BG-23 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-45	BG-23 (2')	Total/NA	Solid	Total BTEX	
880-48707-46	BG-24 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-47	BG-24 (2')	Total/NA	Solid	Total BTEX	
880-48707-48	BG-25 (0-1')	Total/NA	Solid	Total BTEX	
880-48707-49	BG-25 (2')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

GC Semi VOA

Prep Batch: 91409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Total/NA	Solid	8015NM Prep	
880-48707-42	BG-22 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-43	BG-22 (2')	Total/NA	Solid	8015NM Prep	
880-48707-44	BG-23 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-45	BG-23 (2')	Total/NA	Solid	8015NM Prep	
880-48707-46	BG-24 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-47	BG-24 (2')	Total/NA	Solid	8015NM Prep	
880-48707-48	BG-25 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-49	BG-25 (2')	Total/NA	Solid	8015NM Prep	
MB 880-91409/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91409/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91409/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48608-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-48608-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 91411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-2	BG-1 (2')	Total/NA	Solid	8015NM Prep	
880-48707-3	BG-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-4	BG-2 (2')	Total/NA	Solid	8015NM Prep	
880-48707-5	BG-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-6	BG-3 (2')	Total/NA	Solid	8015NM Prep	
880-48707-7	BG-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-8	BG-4 (2')	Total/NA	Solid	8015NM Prep	
880-48707-9	BG-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-10	BG-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-11	BG-6 (2')	Total/NA	Solid	8015NM Prep	
880-48707-12	BG-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-13	BG-7 (2')	Total/NA	Solid	8015NM Prep	
880-48707-14	BG-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-15	BG-8 (2')	Total/NA	Solid	8015NM Prep	
880-48707-16	BG-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-17	BG-9 (2')	Total/NA	Solid	8015NM Prep	
880-48707-18	BG-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-19	BG-10 (2')	Total/NA	Solid	8015NM Prep	
880-48707-20	BG-11 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-91411/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91411/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91411/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48707-1 MS	BG-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-1 MSD	BG-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 91412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-21	BG-11 (2')	Total/NA	Solid	8015NM Prep	
880-48707-22	BG-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-23	BG-12 (2')	Total/NA	Solid	8015NM Prep	
880-48707-24	BG-13 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-25	BG-13 (2')	Total/NA	Solid	8015NM Prep	
880-48707-26	BG-14 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

GC Semi VOA (Continued)

Prep Batch: 91412 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-27	BG-14 (2')	Total/NA	Solid	8015NM Prep	
880-48707-28	BG-15 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-29	BG-15 (2')	Total/NA	Solid	8015NM Prep	
880-48707-30	BG-16 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-31	BG-16 (2')	Total/NA	Solid	8015NM Prep	
880-48707-32	BG-17 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-33	BG-17 (2')	Total/NA	Solid	8015NM Prep	
880-48707-34	BG-18 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-35	BG-18 (2')	Total/NA	Solid	8015NM Prep	
880-48707-36	BG-19 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-37	BG-19 (2')	Total/NA	Solid	8015NM Prep	
880-48707-38	BG-20 (0-1')	Total/NA	Solid	8015NM Prep	
880-48707-39	BG-20 (2')	Total/NA	Solid	8015NM Prep	
880-48707-40	BG-21 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-91412/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91412/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91412/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48707-21 MS	BG-11 (2')	Total/NA	Solid	8015NM Prep	
880-48707-21 MSD	BG-11 (2')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 91414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Total/NA	Solid	8015B NM	91409
880-48707-42	BG-22 (0-1')	Total/NA	Solid	8015B NM	91409
880-48707-43	BG-22 (2')	Total/NA	Solid	8015B NM	91409
880-48707-44	BG-23 (0-1')	Total/NA	Solid	8015B NM	91409
880-48707-45	BG-23 (2')	Total/NA	Solid	8015B NM	91409
880-48707-46	BG-24 (0-1')	Total/NA	Solid	8015B NM	91409
880-48707-47	BG-24 (2')	Total/NA	Solid	8015B NM	91409
880-48707-48	BG-25 (0-1')	Total/NA	Solid	8015B NM	91409
880-48707-49	BG-25 (2')	Total/NA	Solid	8015B NM	91409
MB 880-91409/1-A	Method Blank	Total/NA	Solid	8015B NM	91409
LCS 880-91409/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91409
LCSD 880-91409/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91409
880-48608-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	91409
880-48608-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	91409

Analysis Batch: 91416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-2	BG-1 (2')	Total/NA	Solid	8015B NM	91411
880-48707-3	BG-2 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-4	BG-2 (2')	Total/NA	Solid	8015B NM	91411
880-48707-5	BG-3 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-6	BG-3 (2')	Total/NA	Solid	8015B NM	91411
880-48707-7	BG-4 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-8	BG-4 (2')	Total/NA	Solid	8015B NM	91411
880-48707-9	BG-5 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-10	BG-6 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-11	BG-6 (2')	Total/NA	Solid	8015B NM	91411
880-48707-12	BG-7 (0-1')	Total/NA	Solid	8015B NM	91411

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

GC Semi VOA (Continued)

Analysis Batch: 91416 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-13	BG-7 (2')	Total/NA	Solid	8015B NM	91411
880-48707-14	BG-8 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-15	BG-8 (2')	Total/NA	Solid	8015B NM	91411
880-48707-16	BG-9 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-17	BG-9 (2')	Total/NA	Solid	8015B NM	91411
880-48707-18	BG-10 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-19	BG-10 (2')	Total/NA	Solid	8015B NM	91411
880-48707-20	BG-11 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-21	BG-11 (2')	Total/NA	Solid	8015B NM	91412
880-48707-22	BG-12 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-23	BG-12 (2')	Total/NA	Solid	8015B NM	91412
880-48707-24	BG-13 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-25	BG-13 (2')	Total/NA	Solid	8015B NM	91412
880-48707-26	BG-14 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-27	BG-14 (2')	Total/NA	Solid	8015B NM	91412
880-48707-28	BG-15 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-29	BG-15 (2')	Total/NA	Solid	8015B NM	91412
880-48707-30	BG-16 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-31	BG-16 (2')	Total/NA	Solid	8015B NM	91412
880-48707-32	BG-17 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-33	BG-17 (2')	Total/NA	Solid	8015B NM	91412
880-48707-34	BG-18 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-35	BG-18 (2')	Total/NA	Solid	8015B NM	91412
880-48707-36	BG-19 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-37	BG-19 (2')	Total/NA	Solid	8015B NM	91412
880-48707-38	BG-20 (0-1')	Total/NA	Solid	8015B NM	91412
880-48707-39	BG-20 (2')	Total/NA	Solid	8015B NM	91412
880-48707-40	BG-21 (0-1')	Total/NA	Solid	8015B NM	91412
MB 880-91411/1-A	Method Blank	Total/NA	Solid	8015B NM	91411
MB 880-91412/1-A	Method Blank	Total/NA	Solid	8015B NM	91412
LCS 880-91411/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91411
LCS 880-91412/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91412
LCSD 880-91411/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91411
LCSD 880-91412/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91412
880-48707-1 MS	BG-1 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-1 MSD	BG-1 (0-1')	Total/NA	Solid	8015B NM	91411
880-48707-21 MS	BG-11 (2')	Total/NA	Solid	8015B NM	91412
880-48707-21 MSD	BG-11 (2')	Total/NA	Solid	8015B NM	91412

Analysis Batch: 91543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Total/NA	Solid	8015 NM	
880-48707-2	BG-1 (2')	Total/NA	Solid	8015 NM	
880-48707-3	BG-2 (0-1')	Total/NA	Solid	8015 NM	
880-48707-4	BG-2 (2')	Total/NA	Solid	8015 NM	
880-48707-5	BG-3 (0-1')	Total/NA	Solid	8015 NM	
880-48707-6	BG-3 (2')	Total/NA	Solid	8015 NM	
880-48707-7	BG-4 (0-1')	Total/NA	Solid	8015 NM	
880-48707-8	BG-4 (2')	Total/NA	Solid	8015 NM	
880-48707-9	BG-5 (0-1')	Total/NA	Solid	8015 NM	
880-48707-10	BG-6 (0-1')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

GC Semi VOA (Continued)

Analysis Batch: 91543 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-11	BG-6 (2')	Total/NA	Solid	8015 NM	
880-48707-12	BG-7 (0-1')	Total/NA	Solid	8015 NM	
880-48707-13	BG-7 (2')	Total/NA	Solid	8015 NM	
880-48707-14	BG-8 (0-1')	Total/NA	Solid	8015 NM	
880-48707-15	BG-8 (2')	Total/NA	Solid	8015 NM	
880-48707-16	BG-9 (0-1')	Total/NA	Solid	8015 NM	
880-48707-17	BG-9 (2')	Total/NA	Solid	8015 NM	
880-48707-18	BG-10 (0-1')	Total/NA	Solid	8015 NM	
880-48707-19	BG-10 (2')	Total/NA	Solid	8015 NM	
880-48707-20	BG-11 (0-1')	Total/NA	Solid	8015 NM	
880-48707-21	BG-11 (2')	Total/NA	Solid	8015 NM	
880-48707-22	BG-12 (0-1')	Total/NA	Solid	8015 NM	
880-48707-23	BG-12 (2')	Total/NA	Solid	8015 NM	
880-48707-24	BG-13 (0-1')	Total/NA	Solid	8015 NM	
880-48707-25	BG-13 (2')	Total/NA	Solid	8015 NM	
880-48707-26	BG-14 (0-1')	Total/NA	Solid	8015 NM	
880-48707-27	BG-14 (2')	Total/NA	Solid	8015 NM	
880-48707-28	BG-15 (0-1')	Total/NA	Solid	8015 NM	
880-48707-29	BG-15 (2')	Total/NA	Solid	8015 NM	
880-48707-30	BG-16 (0-1')	Total/NA	Solid	8015 NM	
880-48707-31	BG-16 (2')	Total/NA	Solid	8015 NM	
880-48707-32	BG-17 (0-1')	Total/NA	Solid	8015 NM	
880-48707-33	BG-17 (2')	Total/NA	Solid	8015 NM	
880-48707-34	BG-18 (0-1')	Total/NA	Solid	8015 NM	
880-48707-35	BG-18 (2')	Total/NA	Solid	8015 NM	
880-48707-36	BG-19 (0-1')	Total/NA	Solid	8015 NM	
880-48707-37	BG-19 (2')	Total/NA	Solid	8015 NM	
880-48707-38	BG-20 (0-1')	Total/NA	Solid	8015 NM	
880-48707-39	BG-20 (2')	Total/NA	Solid	8015 NM	
880-48707-40	BG-21 (0-1')	Total/NA	Solid	8015 NM	
880-48707-41	BG-21 (2')	Total/NA	Solid	8015 NM	
880-48707-42	BG-22 (0-1')	Total/NA	Solid	8015 NM	
880-48707-43	BG-22 (2')	Total/NA	Solid	8015 NM	
880-48707-44	BG-23 (0-1')	Total/NA	Solid	8015 NM	
880-48707-45	BG-23 (2')	Total/NA	Solid	8015 NM	
880-48707-46	BG-24 (0-1')	Total/NA	Solid	8015 NM	
880-48707-47	BG-24 (2')	Total/NA	Solid	8015 NM	
880-48707-48	BG-25 (0-1')	Total/NA	Solid	8015 NM	
880-48707-49	BG-25 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 91283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Soluble	Solid	DI Leach	
880-48707-2	BG-1 (2')	Soluble	Solid	DI Leach	
880-48707-3	BG-2 (0-1')	Soluble	Solid	DI Leach	
880-48707-4	BG-2 (2')	Soluble	Solid	DI Leach	
880-48707-5	BG-3 (0-1')	Soluble	Solid	DI Leach	
880-48707-6	BG-3 (2')	Soluble	Solid	DI Leach	
880-48707-7	BG-4 (0-1')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

HPLC/IC (Continued)

Leach Batch: 91283 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-8	BG-4 (2')	Soluble	Solid	DI Leach	
880-48707-9	BG-5 (0-1')	Soluble	Solid	DI Leach	
880-48707-10	BG-6 (0-1')	Soluble	Solid	DI Leach	
880-48707-11	BG-6 (2')	Soluble	Solid	DI Leach	
880-48707-12	BG-7 (0-1')	Soluble	Solid	DI Leach	
880-48707-13	BG-7 (2')	Soluble	Solid	DI Leach	
880-48707-14	BG-8 (0-1')	Soluble	Solid	DI Leach	
880-48707-15	BG-8 (2')	Soluble	Solid	DI Leach	
MB 880-91283/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91283/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91283/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48707-6 MS	BG-3 (2')	Soluble	Solid	DI Leach	
880-48707-6 MSD	BG-3 (2')	Soluble	Solid	DI Leach	

Leach Batch: 91284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-16	BG-9 (0-1')	Soluble	Solid	DI Leach	
880-48707-17	BG-9 (2')	Soluble	Solid	DI Leach	
880-48707-18	BG-10 (0-1')	Soluble	Solid	DI Leach	
880-48707-19	BG-10 (2')	Soluble	Solid	DI Leach	
880-48707-20	BG-11 (0-1')	Soluble	Solid	DI Leach	
880-48707-21	BG-11 (2')	Soluble	Solid	DI Leach	
880-48707-22	BG-12 (0-1')	Soluble	Solid	DI Leach	
880-48707-23	BG-12 (2')	Soluble	Solid	DI Leach	
880-48707-24	BG-13 (0-1')	Soluble	Solid	DI Leach	
880-48707-25	BG-13 (2')	Soluble	Solid	DI Leach	
880-48707-26	BG-14 (0-1')	Soluble	Solid	DI Leach	
880-48707-27	BG-14 (2')	Soluble	Solid	DI Leach	
880-48707-28	BG-15 (0-1')	Soluble	Solid	DI Leach	
880-48707-29	BG-15 (2')	Soluble	Solid	DI Leach	
880-48707-30	BG-16 (0-1')	Soluble	Solid	DI Leach	
880-48707-31	BG-16 (2')	Soluble	Solid	DI Leach	
880-48707-32	BG-17 (0-1')	Soluble	Solid	DI Leach	
880-48707-33	BG-17 (2')	Soluble	Solid	DI Leach	
880-48707-34	BG-18 (0-1')	Soluble	Solid	DI Leach	
880-48707-35	BG-18 (2')	Soluble	Solid	DI Leach	
MB 880-91284/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91284/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91284/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48707-16 MS	BG-9 (0-1')	Soluble	Solid	DI Leach	
880-48707-16 MSD	BG-9 (0-1')	Soluble	Solid	DI Leach	
880-48707-26 MS	BG-14 (0-1')	Soluble	Solid	DI Leach	
880-48707-26 MSD	BG-14 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 91285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-36	BG-19 (0-1')	Soluble	Solid	DI Leach	
880-48707-37	BG-19 (2')	Soluble	Solid	DI Leach	
880-48707-38	BG-20 (0-1')	Soluble	Solid	DI Leach	
880-48707-39	BG-20 (2')	Soluble	Solid	DI Leach	
880-48707-40	BG-21 (0-1')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

HPLC/IC (Continued)

Leach Batch: 91285 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-41	BG-21 (2')	Soluble	Solid	DI Leach	
880-48707-42	BG-22 (0-1')	Soluble	Solid	DI Leach	
880-48707-43	BG-22 (2')	Soluble	Solid	DI Leach	
880-48707-44	BG-23 (0-1')	Soluble	Solid	DI Leach	
880-48707-45	BG-23 (2')	Soluble	Solid	DI Leach	
880-48707-46	BG-24 (0-1')	Soluble	Solid	DI Leach	
880-48707-47	BG-24 (2')	Soluble	Solid	DI Leach	
880-48707-48	BG-25 (0-1')	Soluble	Solid	DI Leach	
880-48707-49	BG-25 (2')	Soluble	Solid	DI Leach	
MB 880-91285/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91285/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91285/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48707-36 MS	BG-19 (0-1')	Soluble	Solid	DI Leach	
880-48707-36 MSD	BG-19 (0-1')	Soluble	Solid	DI Leach	
880-48707-46 MS	BG-24 (0-1')	Soluble	Solid	DI Leach	
880-48707-46 MSD	BG-24 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 91312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-1	BG-1 (0-1')	Soluble	Solid	300.0	91283
880-48707-2	BG-1 (2')	Soluble	Solid	300.0	91283
880-48707-3	BG-2 (0-1')	Soluble	Solid	300.0	91283
880-48707-4	BG-2 (2')	Soluble	Solid	300.0	91283
880-48707-5	BG-3 (0-1')	Soluble	Solid	300.0	91283
880-48707-6	BG-3 (2')	Soluble	Solid	300.0	91283
880-48707-7	BG-4 (0-1')	Soluble	Solid	300.0	91283
880-48707-8	BG-4 (2')	Soluble	Solid	300.0	91283
880-48707-9	BG-5 (0-1')	Soluble	Solid	300.0	91283
880-48707-10	BG-6 (0-1')	Soluble	Solid	300.0	91283
880-48707-11	BG-6 (2')	Soluble	Solid	300.0	91283
880-48707-12	BG-7 (0-1')	Soluble	Solid	300.0	91283
880-48707-13	BG-7 (2')	Soluble	Solid	300.0	91283
880-48707-14	BG-8 (0-1')	Soluble	Solid	300.0	91283
880-48707-15	BG-8 (2')	Soluble	Solid	300.0	91283
MB 880-91283/1-A	Method Blank	Soluble	Solid	300.0	91283
LCS 880-91283/2-A	Lab Control Sample	Soluble	Solid	300.0	91283
LCSD 880-91283/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91283
880-48707-6 MS	BG-3 (2')	Soluble	Solid	300.0	91283
880-48707-6 MSD	BG-3 (2')	Soluble	Solid	300.0	91283

Analysis Batch: 91328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-16	BG-9 (0-1')	Soluble	Solid	300.0	91284
880-48707-17	BG-9 (2')	Soluble	Solid	300.0	91284
880-48707-18	BG-10 (0-1')	Soluble	Solid	300.0	91284
880-48707-19	BG-10 (2')	Soluble	Solid	300.0	91284
880-48707-20	BG-11 (0-1')	Soluble	Solid	300.0	91284
880-48707-21	BG-11 (2')	Soluble	Solid	300.0	91284
880-48707-22	BG-12 (0-1')	Soluble	Solid	300.0	91284
880-48707-23	BG-12 (2')	Soluble	Solid	300.0	91284
880-48707-24	BG-13 (0-1')	Soluble	Solid	300.0	91284

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QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 91328 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-25	BG-13 (2')	Soluble	Solid	300.0	91284
880-48707-26	BG-14 (0-1')	Soluble	Solid	300.0	91284
880-48707-27	BG-14 (2')	Soluble	Solid	300.0	91284
880-48707-28	BG-15 (0-1')	Soluble	Solid	300.0	91284
880-48707-29	BG-15 (2')	Soluble	Solid	300.0	91284
880-48707-30	BG-16 (0-1')	Soluble	Solid	300.0	91284
880-48707-31	BG-16 (2')	Soluble	Solid	300.0	91284
880-48707-32	BG-17 (0-1')	Soluble	Solid	300.0	91284
880-48707-33	BG-17 (2')	Soluble	Solid	300.0	91284
880-48707-34	BG-18 (0-1')	Soluble	Solid	300.0	91284
880-48707-35	BG-18 (2')	Soluble	Solid	300.0	91284
MB 880-91284/1-A	Method Blank	Soluble	Solid	300.0	91284
LCS 880-91284/2-A	Lab Control Sample	Soluble	Solid	300.0	91284
LCSD 880-91284/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91284
880-48707-16 MS	BG-9 (0-1')	Soluble	Solid	300.0	91284
880-48707-16 MSD	BG-9 (0-1')	Soluble	Solid	300.0	91284
880-48707-26 MS	BG-14 (0-1')	Soluble	Solid	300.0	91284
880-48707-26 MSD	BG-14 (0-1')	Soluble	Solid	300.0	91284

Analysis Batch: 91341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48707-36	BG-19 (0-1')	Soluble	Solid	300.0	91285
880-48707-37	BG-19 (2')	Soluble	Solid	300.0	91285
880-48707-38	BG-20 (0-1')	Soluble	Solid	300.0	91285
880-48707-39	BG-20 (2')	Soluble	Solid	300.0	91285
880-48707-40	BG-21 (0-1')	Soluble	Solid	300.0	91285
880-48707-41	BG-21 (2')	Soluble	Solid	300.0	91285
880-48707-42	BG-22 (0-1')	Soluble	Solid	300.0	91285
880-48707-43	BG-22 (2')	Soluble	Solid	300.0	91285
880-48707-44	BG-23 (0-1')	Soluble	Solid	300.0	91285
880-48707-45	BG-23 (2')	Soluble	Solid	300.0	91285
880-48707-46	BG-24 (0-1')	Soluble	Solid	300.0	91285
880-48707-47	BG-24 (2')	Soluble	Solid	300.0	91285
880-48707-48	BG-25 (0-1')	Soluble	Solid	300.0	91285
880-48707-49	BG-25 (2')	Soluble	Solid	300.0	91285
MB 880-91285/1-A	Method Blank	Soluble	Solid	300.0	91285
LCS 880-91285/2-A	Lab Control Sample	Soluble	Solid	300.0	91285
LCSD 880-91285/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91285
880-48707-36 MS	BG-19 (0-1')	Soluble	Solid	300.0	91285
880-48707-36 MSD	BG-19 (0-1')	Soluble	Solid	300.0	91285
880-48707-46 MS	BG-24 (0-1')	Soluble	Solid	300.0	91285
880-48707-46 MSD	BG-24 (0-1')	Soluble	Solid	300.0	91285

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Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-1 (0-1')

Lab Sample ID: 880-48707-1

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 16:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 16:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 09:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 09:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 17:42	CH	EET MID

Client Sample ID: BG-1 (2')

Lab Sample ID: 880-48707-2

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 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')

Lab Sample ID: 880-48707-3

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 17:34	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-2 (2')

Lab Sample ID: 880-48707-4

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91543	09/22/24 11:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 11:01	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 17:58	CH	EET MID

Client Sample ID: BG-3 (0-1')

Lab Sample ID: 880-48707-5

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 17:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 11:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:04	CH	EET MID

Client Sample ID: BG-3 (2')

Lab Sample ID: 880-48707-6

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 18:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 11:40	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:09	CH	EET MID

Client Sample ID: BG-4 (0-1')

Lab Sample ID: 880-48707-7

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 18:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 12:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 12:00	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-4 (0-1')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:25	CH	EET MID

Client Sample ID: BG-4 (2')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 18:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 12:19	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:30	CH	EET MID

Client Sample ID: BG-5 (0-1')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 19:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 12:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 12:40	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 18:47	CH	EET MID

Client Sample ID: BG-6 (0-1')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 19:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 12:58	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91312	09/20/24 18:52	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-6 (2')

Lab Sample ID: 880-48707-11

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 21:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 21:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 13:36	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91312	09/20/24 18:57	CH	EET MID

Client Sample ID: BG-7 (0-1')

Lab Sample ID: 880-48707-12

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 21:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 21:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 13:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 13:55	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	91312	09/20/24 19:03	CH	EET MID

Client Sample ID: BG-7 (2')

Lab Sample ID: 880-48707-13

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 22:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 22:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 14:15	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91312	09/20/24 19:08	CH	EET MID

Client Sample ID: BG-8 (0-1')

Lab Sample ID: 880-48707-14

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 22:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 22:28	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-8 (0-1')

Lab Sample ID: 880-48707-14

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91543	09/22/24 14:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 14:33	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91312	09/20/24 19:14	CH	EET MID

Client Sample ID: BG-8 (2')

Lab Sample ID: 880-48707-15

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 22:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 22:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 14:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 14:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91283	09/20/24 09:06	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91312	09/20/24 19:19	CH	EET MID

Client Sample ID: BG-9 (0-1')

Lab Sample ID: 880-48707-16

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 23:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 23:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 15:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 15:11	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91328	09/20/24 22:03	CH	EET MID

Client Sample ID: BG-9 (2')

Lab Sample ID: 880-48707-17

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/22/24 23:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 15:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 15:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-9 (2')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 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')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/22/24 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')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/23/24 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')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91227	09/19/24 13:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91420	09/23/24 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/23/24 00:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 16:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91411	09/21/24 17:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 16:30	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	91328	09/20/24 22:55	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-11 (2')

Lab Sample ID: 880-48707-21

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/20/24 23:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 23:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 18:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 18:07	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	91328	09/20/24 23:22	CH	EET MID

Client Sample ID: BG-12 (0-1')

Lab Sample ID: 880-48707-22

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/20/24 23:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 23:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 19:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 19:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91328	09/20/24 23:30	CH	EET MID

Client Sample ID: BG-12 (2')

Lab Sample ID: 880-48707-23

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 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')

Lab Sample ID: 880-48707-24

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 00:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 00:29	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-13 (0-1')

Lab Sample ID: 880-48707-24

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91543	09/22/24 19:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 19:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	91328	09/20/24 23:48	CH	EET MID

Client Sample ID: BG-13 (2')

Lab Sample ID: 880-48707-25

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 00:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 20:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 20:03	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91328	09/20/24 23:57	CH	EET MID

Client Sample ID: BG-14 (0-1')

Lab Sample ID: 880-48707-26

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 01:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 20:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 20:23	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91328	09/21/24 00:05	CH	EET MID

Client Sample ID: BG-14 (2')

Lab Sample ID: 880-48707-27

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 20:42	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 20:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-14 (2')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91328	09/21/24 00:32	CH	EET MID

Client Sample ID: BG-15 (0-1')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 01:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 21:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 21:01	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 00:40	CH	EET MID

Client Sample ID: BG-15 (2')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 02:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 21:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 21:21	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:06	CH	EET MID

Client Sample ID: BG-16 (0-1')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 02:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 02:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 21:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 21:40	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:15	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-16 (2')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 03:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 03:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 22:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 22:19	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	91328	09/21/24 01:24	CH	EET MID

Client Sample ID: BG-17 (0-1')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 04:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 04:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 22:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 22:38	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:33	CH	EET MID

Client Sample ID: BG-17 (2')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 04:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 04:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 22:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 22:58	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:41	CH	EET MID

Client Sample ID: BG-18 (0-1')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 04:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 04:59	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County, New Mexico

Client Sample ID: BG-18 (0-1')

Lab Sample ID: 880-48707-34

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 23:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:50	CH	EET MID

Client Sample ID: BG-18 (2')

Lab Sample ID: 880-48707-35

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 05:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 05:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 23:36	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	91284	09/20/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91328	09/21/24 01:59	CH	EET MID

Client Sample ID: BG-19 (0-1')

Lab Sample ID: 880-48707-36

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 05:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 05:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/22/24 23:55	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 03:56	CH	EET MID

Client Sample ID: BG-19 (2')

Lab Sample ID: 880-48707-37

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 06:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 06:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 00:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/23/24 00:14	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-19 (2')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 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')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-38

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 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')

Date Collected: 09/13/24 00:00

Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-39

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 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

Lab Sample ID: 880-48707-40

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91228	09/19/24 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91280	09/21/24 07:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 07:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 01:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91412	09/21/24 17:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91416	09/23/24 01:13	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91341	09/21/24 04:36	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-21 (2')

Lab Sample ID: 880-48707-41

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/20/24 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

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/20/24 23:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 23:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 22:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 22:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 05:02	CH	EET MID

Client Sample ID: BG-22 (2')

Lab Sample ID: 880-48707-43

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/20/24 23:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 23:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 23:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91341	09/21/24 05:09	CH	EET MID

Client Sample ID: BG-23 (0-1')

Lab Sample ID: 880-48707-44

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/20/24 23:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/20/24 23:46	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County, New Mexico

Client Sample ID: BG-23 (0-1')

Lab Sample ID: 880-48707-44

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 23:36	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 05:16	CH	EET MID

Client Sample ID: BG-23 (2')

Lab Sample ID: 880-48707-45

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 00:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 00:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/22/24 23:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 23:55	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 05:23	CH	EET MID

Client Sample ID: BG-24 (0-1')

Lab Sample ID: 880-48707-46

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 00:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 00:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 00:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/23/24 00:14	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 05:29	CH	EET MID

Client Sample ID: BG-24 (2')

Lab Sample ID: 880-48707-47

Date Collected: 09/13/24 00:00

Matrix: Solid

Date Received: 09/19/24 11:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 00:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 00:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 00:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/23/24 00:33	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Client Sample ID: BG-24 (2')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91341	09/21/24 05:49	CH	EET MID

Client Sample ID: BG-25 (0-1')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-48
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 01:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 00:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/23/24 00:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91341	09/21/24 05:56	CH	EET MID

Client Sample ID: BG-25 (2')
Date Collected: 09/13/24 00:00
Date Received: 09/19/24 11:40

Lab Sample ID: 880-48707-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91229	09/19/24 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91278	09/21/24 01:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91472	09/21/24 01:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			91543	09/23/24 01:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	91409	09/21/24 17:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/23/24 01:13	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	91285	09/20/24 09:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91341	09/21/24 06:16	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48707-1
SDG: Eddy County. New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48707-1	BG-1 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-2	BG-1 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-3	BG-2 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-4	BG-2 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-5	BG-3 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-6	BG-3 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-7	BG-4 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-8	BG-4 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-9	BG-5 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-10	BG-6 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-11	BG-6 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-12	BG-7 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-13	BG-7 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-14	BG-8 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-15	BG-8 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-16	BG-9 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-17	BG-9 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-18	BG-10 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-19	BG-10 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-20	BG-11 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-21	BG-11 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-22	BG-12 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-23	BG-12 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-24	BG-13 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-25	BG-13 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-26	BG-14 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-27	BG-14 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-28	BG-15 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-29	BG-15 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-30	BG-16 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-31	BG-16 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-32	BG-17 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-33	BG-17 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-34	BG-18 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-35	BG-18 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-36	BG-19 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-37	BG-19 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-38	BG-20 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-39	BG-20 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-40	BG-21 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-41	BG-21 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-42	BG-22 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-43	BG-22 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-44	BG-23 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-45	BG-23 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-46	BG-24 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-47	BG-24 (2')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-48	BG-25 (0-1')	Solid	09/13/24 00:00	09/19/24 11:40
880-48707-49	BG-25 (2')	Solid	09/13/24 00:00	09/19/24 11:40



880-48707 Chain of Custody

Chain of Custody

Page 1 of 5

Project Manager: Devin Dominguez		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 W Wall St Site 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-701-5475		Email: mcarmona@carmonaresources.com			

Project Name:	Spill #2	Turn Around		Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:	2511	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush			
Project Location:	Eddy County, New Mexico	Due Date:				
Sampler's Name:	DD & PB					
PO #:						

SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No	
Received Intact:		Yes No		Thermometer ID:					
Cooler Custody Seals:		Yes No	N/A	Correction Factor:					
Sample Custody Seals:		Yes No	N/A	Temperature Reading:					
Total Containers:				Corrected Temperature:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
BG-1 (0-1')	9/13/2024		X		G	1				None: NO	DI Water: H ₂ O
BG-1 (2')	9/13/2024		X		G	1				Cool: Cool	MeOH: Me
BG-2 (0-1')	9/13/2024		X		G	1				HCL: HC	HNO ₃ : HN
BG-2 (2')	9/13/2024		X		G	1				H ₂ SO ₄ : H ₂	NaOH: Na
BG-3 (0-1')	9/13/2024		X		G	1				H ₃ PO ₄ : HP	
BG-3 (2')	9/13/2024		X		G	1				NaHSO ₄ : NABIS	
BG-4 (0-1')	9/13/2024		X		G	1				Na ₂ S ₂ O ₃ : NaSO ₃	
BG-4 (2')	9/13/2024		X		G	1				Zn Acetate+NaOH: Zn	
BG-5 (0-1')	9/13/2024		X		G	1				NaOH+Ascorbic Acid: SAPC	
BG-6 (0-1')	9/13/2024		X		G	1					

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	
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Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9/19/24		9/19 11:00

Chain of Custody

Work Order No: 458707

Page 2 of 5



Project Manager: Devin Dominguez		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 W Wall St Ste 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-701-5475		Email: mcarmona@carmonaresources.com			

Project Name: Spill #2		Turn Around		Pres. Code	
Project Number: 2511		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			
Project Location: Eddy County, New Mexico		Due Date:			
Sampler's Name: DD & PB		Standard			
PO #:					

SAMPLE RECEIPT				ANALYSIS REQUEST				Preservative Codes			
Received Intact:	Temp Blank:	Yes No	Wet Ice:	Yes No	None: NO	DI Water: H ₂ O					
Cooler Custody Seals:	Yes No	N/A	Thermometer ID:		Cool: Cool	MeOH: Me					
Sample Custody Seals:	Yes No	N/A	Correction Factor:		HCL: HC	HNO ₃ : HN					
Total Containers:	Yes No	N/A	Temperature Reading:		H ₂ SO ₄ : H ₂	NaOH: Na					
			Corrected Temperature:		H ₃ PO ₄ : HP						
					NaHSO ₄ : NABIS						
					Na ₂ S ₂ O ₅ : NaSO ₃						
					Zn Acetate+NaOH: Zn						
					NaOH+Ascorbic Acid: SAPC						

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BG-6 (2')	9/13/2024		X		G	1		X	X	X	
BG-7 (0-1')	9/13/2024		X		G	1		X	X	X	
BG-7 (2')	9/13/2024		X		G	1		X	X	X	
BG-8 (0-1')	9/13/2024		X		G	1		X	X	X	
BG-8 (2')	9/13/2024		X		G	1		X	X	X	
BG-9 (0-1')	9/13/2024		X		G	1		X	X	X	
BG-9 (2')	9/13/2024		X		G	1		X	X	X	
BG-10 (0-1')	9/13/2024		X		G	1		X	X	X	
BG-10 (2')	9/13/2024		X		G	1		X	X	X	
BG-11 (0-1')	9/13/2024		X		G	1		X	X	X	

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9/19/24		9/19/24

Chain of Custody

Work Order No: 48107



Page 3 of 5

Project Manager: Devin Dominguez		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 W Wall St Ste 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-701-5475		Email: mcarmona@carmonaresources.com			

Project Name: Spill #2		Turn Around		Pres. Code	
Project Number: 2511		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			
Project Location: Eddy County, New Mexico		Due Date:		Standard	
Sampler's Name: DD & PB					
PO #:					

SAMPLE RECEIPT		Temp Blank:		Yes No	
Received Intact:		Yes No		Thermometer ID:	
Cooler Custody Seals:		Yes No N/A		Correction Factor:	
Sample Custody Seals:		Yes No N/A		Temperature Reading:	
Total Containers:				Corrected Temperature:	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	ANALYSIS REQUEST	Preservative Codes	Sample Comments
BG-11 (2')	9/13/2024		X		G	1		X	X		None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₅ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
BG-12 (0-1')	9/13/2024		X		G	1		X	X			
BG-12 (2')	9/13/2024		X		G	1		X	X			
BG-13 (0-1')	9/13/2024		X		G	1		X	X			
BG-13 (2')	9/13/2024		X		G	1		X	X			
BG-14 (0-1')	9/13/2024		X		G	1		X	X			
BG-14 (2')	9/13/2024		X		G	1		X	X			
BG-15 (0-1')	9/13/2024		X		G	1		X	X			
BG-15 (2')	9/13/2024		X		G	1		X	X			
BG-16 (0-1')	9/13/2024		X		G	1		X	X			

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		9/19/24				9/19/24	

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Connor Moehring / cmoehring@carmonaresources.com

Chain of Custody

Work Order No: 48707

Page 4 of 5

Project Manager: Devin Dominguez		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 W Wall St Ste 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-701-5475		Email: mcarmona@carmonaresources.com			

Project Name: Spill #2		Turn Around		Pres. Code	
Project Number: 2511		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			
Project Location: Eddy County, New Mexico		Due Date:			
Sampler's Name: DD & PB					
PO #:					

SAMPLE RECEIPT Received Intact: Yes No Cooler Custody Seals: Yes No N/A Sample Custody Seals: Yes No N/A Total Containers:		Temp Blank: Yes No Thermometer ID: Correction Factor: Temperature Reading: Corrected Temperature:		Wet Ice: Yes No	
---	--	---	--	-----------------	--

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	ANALYSIS REQUEST												Preservative Codes	Sample Comments
BG-16 (2')	9/13/2024		X		G	1		X	X	X													None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
BG-17 (0-1')	9/13/2024		X		G	1		X	X	X														
BG-17 (2')	9/13/2024		X		G	1		X	X	X														
BG-18 (0-1')	9/13/2024		X		G	1		X	X	X														
BG-18 (2')	9/13/2024		X		G	1		X	X	X														
BG-19 (0-1')	9/13/2024		X		G	1		X	X	X														
BG-19 (2')	9/13/2024		X		G	1		X	X	X														
BG-20 (0-1')	9/13/2024		X		G	1		X	X	X														
BG-20 (2')	9/13/2024		X		G	1		X	X	X														
BG-21 (0-1')	9/13/2024		X		G	1		X	X	X														

Relinquished by: (Signature)		Date/Time	Received by: (Signature)	Date/Time
		9/14/24		9/14/24

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48707-1

SDG Number: Eddy County. New Mexico

Login Number: 48707

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Dominguez
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 9/30/2024 3:13:35 PM

JOB DESCRIPTION

Spill #2
Eddy County, New Mexico

JOB NUMBER

880-48773-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

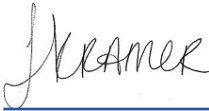
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
9/30/2024 3:13:35 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(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

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48773-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Spill #2

Job ID: 880-48773-1

Job ID: 880-48773-1

Eurofins Midland

Job Narrative 880-48773-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 9/20/2024 1:45 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-91106 and analytical batch 880-91395 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48773-1
SDG: Eddy County, New Mexico

Client Sample ID: Water Bridge Riser Water

Lab Sample ID: 880-48773-1

Date Collected: 09/20/24 00:00

Matrix: Water

Date Received: 09/20/24 13:45

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.75		0.0200		mg/L			09/22/24 07:16	10
Toluene	0.722		0.0200		mg/L			09/22/24 07:16	10
Ethylbenzene	0.0477		0.0200		mg/L			09/22/24 07:16	10
m-Xylene & p-Xylene	0.169		0.0400		mg/L			09/22/24 07:16	10
o-Xylene	0.0687		0.0200		mg/L			09/22/24 07:16	10
Xylenes, Total	0.238		0.0400		mg/L			09/22/24 07:16	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130		09/22/24 07:16	10
1,4-Difluorobenzene (Surr)	97		70 - 130		09/22/24 07:16	10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	4.76		0.0400		mg/L			09/22/24 07:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<4.95	U	4.95		mg/L			09/24/24 02:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<4.95	U	4.95		mg/L		09/23/24 08:22	09/24/24 02:39	1
Diesel Range Organics (Over C10-C28)	<4.95	U	4.95		mg/L		09/23/24 08:22	09/24/24 02:39	1
Oil Range Organics (Over C28-C36)	<4.95	U	4.95		mg/L		09/23/24 08:22	09/24/24 02:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 135	09/23/24 08:22	09/24/24 02:39	1
o-Terphenyl	104		70 - 135	09/23/24 08:22	09/24/24 02:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63600		500		mg/L			09/21/24 02:35	1000

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48773-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-48712-C-1 MS	Matrix Spike	112	100
880-48712-C-1 MSD	Matrix Spike Duplicate	110	95
880-48773-1	Water Bridge Riser Water	88	97
LCS 880-91395/34	Lab Control Sample	112	102
LCSD 880-91395/35	Lab Control Sample Dup	108	97
MB 880-91106/5-A	Method Blank	137 S1+	83
MB 880-91395/39	Method Blank	166 S1+	96
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-135)	OTPH1 (70-135)
880-48773-1	Water Bridge Riser Water	102	104
LCS 860-188846/2-A	Lab Control Sample	100	91
MB 860-188846/1-A	Method Blank	100	102
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
LCSD 860-188846/3-A	Lab Control Sample Dup		
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48773-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91106/5-A
Matrix: Water
Analysis Batch: 91395

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 91106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Toluene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
o-Xylene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				09/18/24 12:36	09/21/24 16:06	1
1,4-Difluorobenzene (Surr)	83		70 - 130				09/18/24 12:36	09/21/24 16:06	1

Lab Sample ID: MB 880-91395/39
Matrix: Water
Analysis Batch: 91395

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130					09/22/24 03:43	1
1,4-Difluorobenzene (Surr)	96		70 - 130					09/22/24 03:43	1

Lab Sample ID: LCS 880-91395/34
Matrix: Water
Analysis Batch: 91395

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08945		mg/L		89	70 - 130
Toluene	0.100	0.07725		mg/L		77	70 - 130
Ethylbenzene	0.100	0.08740		mg/L		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1849		mg/L		92	70 - 130
o-Xylene	0.100	0.09525		mg/L		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	112		70 - 130				
1,4-Difluorobenzene (Surr)	102		70 - 130				

Lab Sample ID: LCSD 880-91395/35
Matrix: Water
Analysis Batch: 91395

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09007		mg/L		90	70 - 130	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48773-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-91395/35

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec		RPD
	Added	Result	Qualifier	Limit				Limits	RPD	
Toluene	0.100	0.08554			mg/L		86	70 - 130	10	20
Ethylbenzene	0.100	0.09203			mg/L		92	70 - 130	5	20
m-Xylene & p-Xylene	0.200	0.1643			mg/L		82	70 - 130	12	20
o-Xylene	0.100	0.08217			mg/L		82	70 - 130	15	20
LCSD		LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	108		70 - 130							
1,4-Difluorobenzene (Surr)	97		70 - 130							

Lab Sample ID: 880-48712-C-1 MS

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Benzene	<0.00200	U	0.100	0.09012		mg/L		90	70 - 130	
Toluene	<0.00200	U	0.100	0.08278		mg/L		83	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.08268		mg/L		83	70 - 130	
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1721		mg/L		86	70 - 130	
o-Xylene	<0.00200	U	0.100	0.08968		mg/L		90	70 - 130	
MS		MS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	112		70 - 130							
1,4-Difluorobenzene (Surr)	100		70 - 130							

Lab Sample ID: 880-48712-C-1 MSD

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Benzene	<0.00200	U	0.100	0.09144		mg/L		91	70 - 130	1	25
Toluene	<0.00200	U	0.100	0.08947		mg/L		89	70 - 130	8	25
Ethylbenzene	<0.00200	U	0.100	0.09520		mg/L		95	70 - 130	14	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1827		mg/L		91	70 - 130	6	25
o-Xylene	<0.00200	U	0.100	0.09854		mg/L		99	70 - 130	9	25
MSD		MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	110		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 860-188846/1-A

Matrix: Water

Analysis Batch: 189324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 188846

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48773-1
SDG: Eddy County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 860-188846/1-A

Matrix: Water

Analysis Batch: 189324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 188846

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1
Oil Range Organics (Over C28-C36)	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	100		70 - 135				09/23/24 08:22	09/25/24 08:53	1
o-Terphenyl	102		70 - 135				09/23/24 08:22	09/25/24 08:53	1

Lab Sample ID: LCS 860-188846/2-A

Matrix: Water

Analysis Batch: 189324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 188846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	100	105.0		mg/L		105	70 - 135		
Diesel Range Organics (Over C10-C28)	100	102.3		mg/L		102	70 - 135		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	100		70 - 135						
o-Terphenyl	91		70 - 135						

Lab Sample ID: LCSD 860-188846/3-A

Matrix: Water

Analysis Batch: 189324

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 188846

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	100	107.2		mg/L					
Diesel Range Organics (Over C10-C28)	100	106.1		mg/L					
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane									
o-Terphenyl									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91065/3

Matrix: Water

Analysis Batch: 91065

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<0.500	U	0.500		mg/L			09/20/24 23:48	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48773-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-91065/4				Client Sample ID: Lab Control Sample						
Matrix: Water				Prep Type: Total/NA						
Analysis Batch: 91065										
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride			25.0	24.24		mg/L		97	90 - 110	

Lab Sample ID: LCSD 880-91065/5				Client Sample ID: Lab Control Sample Dup						
Matrix: Water				Prep Type: Total/NA						
Analysis Batch: 91065										
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Chloride			25.0	24.29		mg/L		97	90 - 110	0 20

Lab Sample ID: 880-48492-A-2 MS				Client Sample ID: Matrix Spike						
Matrix: Water				Prep Type: Total/NA						
Analysis Batch: 91065										
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	634		1250	1884		mg/L		100	90 - 110	

Lab Sample ID: 880-48492-A-2 MSD				Client Sample ID: Matrix Spike Duplicate						
Matrix: Water				Prep Type: Total/NA						
Analysis Batch: 91065										
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Chloride	634		1250	1883		mg/L		100	90 - 110	0 20

QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48773-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 91106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91106/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 91395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	8021B	
MB 880-91106/5-A	Method Blank	Total/NA	Water	8021B	91106
MB 880-91395/39	Method Blank	Total/NA	Water	8021B	
LCS 880-91395/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-91395/35	Lab Control Sample Dup	Total/NA	Water	8021B	
880-48712-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-48712-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 91482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	Total BTEX	

GC Semi VOA

Analysis Batch: 188805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	8015B NM	188846

Prep Batch: 188846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	8015NM Aq Prep	
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 189324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015B NM	188846
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015B NM	188846
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	188846

Analysis Batch: 189831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	8015 NM	

HPLC/IC

Analysis Batch: 91065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48773-1	Water Bridge Riser Water	Total/NA	Water	300.0	
MB 880-91065/3	Method Blank	Total/NA	Water	300.0	
LCS 880-91065/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-91065/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-48492-A-2 MS	Matrix Spike	Total/NA	Water	300.0	
880-48492-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48773-1
SDG: Eddy County, New Mexico

Client Sample ID: Water Bridge Riser Water
Date Collected: 09/20/24 00:00
Date Received: 09/20/24 13:45

Lab Sample ID: 880-48773-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	91395	09/22/24 07:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91482	09/22/24 07:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			189831	09/24/24 02:39	TTD	EET HOU
Total/NA	Prep	8015NM Aq Prep			30.3 mL	3 mL	188846	09/23/24 08:22	TH	EET HOU
Total/NA	Analysis	8015B NM		1			188805	09/24/24 02:39	W1N	EET HOU
Total/NA	Analysis	300.0		1000			91065	09/21/24 02:35	CH	EET MID

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48773-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Chloride
Total BTEX		Water	Total BTEX

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Method Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48773-1
SDG: Eddy County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Aq Prep	Microextraction	SW846	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48773-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48773-1	Water Bridge Riser Water	Water	09/20/24 00:00	09/20/24 13:45

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880-48773 Chain of Custody



Page 1 of 1

Project Manager:	Devin Dominguez	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-701-5475	Email:	mcarmona@carmonaresources.com

Work Order Comments				
Program:	UST/PST	PRP	Brownfields	RRC Superfund
State of Project:				
Reporting:	Level II	Level III	PST/UST	RRP Level IV
Deliverables:	EDD		ADaPT	Other:

[illegible]

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9/20/24		9/20/24

Eurofins Midland

1211 W Florida Ave
Midland, TX 79701
Phone: 432-704-544

Chain of Custody Record



eurofins

Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48773-1
SDG Number: Eddy County, New Mexico

Login Number: 48773
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48773-1
SDG Number: Eddy County, New Mexico

Login Number: 48773

List Number: 2

Creator: Baker, Jeremiah

List Source: Eurofins Houston

List Creation: 09/21/24 01:11 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Dominguez
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 9/30/2024 3:18:55 PM

JOB DESCRIPTION

Spill #2
Eddy County, New Mexico

JOB NUMBER

880-48777-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

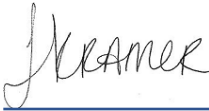
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
9/30/2024 3:18:55 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Carmona Resources
Project/Site: Spill #2

Laboratory Job ID: 880-48777-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48777-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Spill #2

Job ID: 880-48777-1

Job ID: 880-48777-1

Eurofins Midland

Job Narrative 880-48777-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 9/20/2024 1:45 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-91106 and analytical batch 880-91395 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48777-1
SDG: Eddy County, New Mexico

Client Sample ID: Auger Hole Water

Lab Sample ID: 880-48777-1

Date Collected: 09/20/24 00:00

Matrix: Water

Date Received: 09/20/24 13:45

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 09:06	1
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 09:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 09:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 09:06	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 09:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/22/24 09:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		09/22/24 09:06	1
1,4-Difluorobenzene (Surr)	102		70 - 130		09/22/24 09:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/L			09/22/24 09:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<5.07	U	5.07		mg/L			09/26/24 00:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<5.07	U	5.07		mg/L		09/23/24 08:22	09/26/24 00:18	1
Diesel Range Organics (Over C10-C28)	<5.07	U	5.07		mg/L		09/23/24 08:22	09/26/24 00:18	1
Oil Range Organics (Over C28-C36)	<5.07	U	5.07		mg/L		09/23/24 08:22	09/26/24 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 135	09/23/24 08:22	09/26/24 00:18	1
o-Terphenyl	97		70 - 135	09/23/24 08:22	09/26/24 00:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5940		50.0		mg/L			09/21/24 02:42	100

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48777-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(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							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(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							
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									

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48777-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91106/5-A							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 91395							Prep Batch: 91106		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Toluene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
o-Xylene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				09/18/24 12:36	09/21/24 16:06	1
1,4-Difluorobenzene (Surr)	83		70 - 130				09/18/24 12:36	09/21/24 16:06	1

Lab Sample ID: MB 880-91395/39							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 91395									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130					09/22/24 03:43	1
1,4-Difluorobenzene (Surr)	96		70 - 130					09/22/24 03:43	1

Lab Sample ID: LCS 880-91395/34							Client Sample ID: Lab Control Sample		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 91395									
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.08945		mg/L		89	70 - 130	
Toluene		0.100	0.07725		mg/L		77	70 - 130	
Ethylbenzene		0.100	0.08740		mg/L		87	70 - 130	
m-Xylene & p-Xylene		0.200	0.1849		mg/L		92	70 - 130	
o-Xylene		0.100	0.09525		mg/L		95	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: LCSD 880-91395/35							Client Sample ID: Lab Control Sample Dup			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 91395										
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.09007		mg/L		90	70 - 130	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48777-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-91395/35

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec		RPD
	Added	Result	Qualifier	Limit				Limits	RPD	
Toluene	0.100	0.08554			mg/L		86	70 - 130	10	20
Ethylbenzene	0.100	0.09203			mg/L		92	70 - 130	5	20
m-Xylene & p-Xylene	0.200	0.1643			mg/L		82	70 - 130	12	20
o-Xylene	0.100	0.08217			mg/L		82	70 - 130	15	20
LCSD		LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	108		70 - 130							
1,4-Difluorobenzene (Surr)	97		70 - 130							

Lab Sample ID: 880-48712-C-1 MS

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Benzene	<0.00200	U	0.100	0.09012		mg/L		90	70 - 130	
Toluene	<0.00200	U	0.100	0.08278		mg/L		83	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.08268		mg/L		83	70 - 130	
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1721		mg/L		86	70 - 130	
o-Xylene	<0.00200	U	0.100	0.08968		mg/L		90	70 - 130	
MS		MS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	112		70 - 130							
1,4-Difluorobenzene (Surr)	100		70 - 130							

Lab Sample ID: 880-48712-C-1 MSD

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Benzene	<0.00200	U	0.100	0.09144		mg/L		91	70 - 130	1	25
Toluene	<0.00200	U	0.100	0.08947		mg/L		89	70 - 130	8	25
Ethylbenzene	<0.00200	U	0.100	0.09520		mg/L		95	70 - 130	14	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1827		mg/L		91	70 - 130	6	25
o-Xylene	<0.00200	U	0.100	0.09854		mg/L		99	70 - 130	9	25
MSD		MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	110		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 860-188846/1-A

Matrix: Water

Analysis Batch: 189324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 188846

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48777-1
SDG: Eddy County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 860-188846/1-A

Matrix: Water

Analysis Batch: 189324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 188846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1
Oil Range Organics (Over C28-C36)	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 135				09/23/24 08:22	09/25/24 08:53	1
o-Terphenyl	102		70 - 135				09/23/24 08:22	09/25/24 08:53	1

Lab Sample ID: LCS 860-188846/2-A

Matrix: Water

Analysis Batch: 189324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 188846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	100	105.0		mg/L		105	70 - 135
Diesel Range Organics (Over C10-C28)	100	102.3		mg/L		102	70 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	100		70 - 135				
o-Terphenyl	91		70 - 135				

Lab Sample ID: LCSD 860-188846/3-A

Matrix: Water

Analysis Batch: 189324

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 188846

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	100	107.2		mg/L					
Diesel Range Organics (Over C10-C28)	100	106.1		mg/L					
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane									
o-Terphenyl									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91065/3

Matrix: Water

Analysis Batch: 91065

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500		mg/L			09/20/24 23:48	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48777-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-91065/4

Matrix: Water

Analysis Batch: 91065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	24.24		mg/L		97	90 - 110

Lab Sample ID: LCSD 880-91065/5

Matrix: Water

Analysis Batch: 91065

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	25.0	24.29		mg/L		97	90 - 110	0	20

Lab Sample ID: 880-48492-A-2 MS

Matrix: Water

Analysis Batch: 91065

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	634		1250	1884		mg/L		100	90 - 110

Lab Sample ID: 880-48492-A-2 MSD

Matrix: Water

Analysis Batch: 91065

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	634		1250	1883		mg/L		100	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48777-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 91106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91106/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 91395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48777-1	Auger Hole Water	Total/NA	Water	8021B	
MB 880-91106/5-A	Method Blank	Total/NA	Water	8021B	91106
MB 880-91395/39	Method Blank	Total/NA	Water	8021B	
LCS 880-91395/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-91395/35	Lab Control Sample Dup	Total/NA	Water	8021B	
880-48712-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-48712-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 91483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48777-1	Auger Hole Water	Total/NA	Water	Total BTEX	

GC Semi VOA

Prep Batch: 188846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48777-1	Auger Hole Water	Total/NA	Water	8015NM Aq Prep	
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 189324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015B NM	188846
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015B NM	188846
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	188846

Analysis Batch: 189328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48777-1	Auger Hole Water	Total/NA	Water	8015B NM	188846

Analysis Batch: 190146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48777-1	Auger Hole Water	Total/NA	Water	8015 NM	

HPLC/IC

Analysis Batch: 91065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48777-1	Auger Hole Water	Total/NA	Water	300.0	
MB 880-91065/3	Method Blank	Total/NA	Water	300.0	
LCS 880-91065/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-91065/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-48492-A-2 MS	Matrix Spike	Total/NA	Water	300.0	
880-48492-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48777-1
SDG: Eddy County, New Mexico

Client Sample ID: Auger Hole Water
Date Collected: 09/20/24 00:00
Date Received: 09/20/24 13:45

Lab Sample ID: 880-48777-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	91395	09/22/24 09:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91483	09/22/24 09:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			190146	09/26/24 00:18	ELJ	EET HOU
Total/NA	Prep	8015NM Aq Prep			29.6 mL	3 mL	188846	09/23/24 08:22	TH	EET HOU
Total/NA	Analysis	8015B NM		1			189328	09/26/24 00:18	T1S	EET HOU
Total/NA	Analysis	300.0		100			91065	09/21/24 02:42	CH	EET MID

Laboratory References:
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48777-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Chloride
Total BTEX		Water	Total BTEX

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Method Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48777-1
SDG: Eddy County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Aq Prep	Microextraction	SW846	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48777-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48777-1	Auger Hole Water	Water	09/20/24 00:00	09/20/24 13:45

- 1
- 2
- 3
- 4
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- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Chain of Custody



Chain of Custody

Page 1 of 1

[illegible]

Eurofins Midland

1211 W Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record



eurofins

Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48777-1

SDG Number: Eddy County, New Mexico

Login Number: 48777

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48777-1
SDG Number: Eddy County, New Mexico

Login Number: 48777

List Number: 2

Creator: Baker, Jeremiah

List Source: Eurofins Houston

List Creation: 09/21/24 01:11 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



Environment Testing

- 1
- 2
- 3
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ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 9/30/2024 3:18:46 PM

JOB DESCRIPTION

Spill #2
Eddy County, New Mexico

JOB NUMBER

880-48778-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
9/30/2024 3:18:46 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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
Project/Site: Spill #2

Job ID: 880-48778-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Spill #2

Job ID: 880-48778-1

Job ID: 880-48778-1

Eurofins Midland

Job Narrative 880-48778-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 9/20/2024 1:45 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-91106 and analytical batch 880-91395 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48778-1
SDG: Eddy County, New Mexico

Client Sample ID: Playa Lake Water

Lab Sample ID: 880-48778-1

Date Collected: 09/20/24 00:00

Matrix: Water

Date Received: 09/20/24 13:45

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 09:26	1
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 09:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 09:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 09:26	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 09:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/22/24 09:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130		09/22/24 09:26	1
1,4-Difluorobenzene (Surr)	104		70 - 130		09/22/24 09:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/L			09/22/24 09:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<5.23	U	5.23		mg/L			09/24/24 03:47	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<5.23	U	5.23		mg/L		09/23/24 08:22	09/24/24 03:47	1
Diesel Range Organics (Over C10-C28)	<5.23	U	5.23		mg/L		09/23/24 08:22	09/24/24 03:47	1
Oil Range Organics (Over C28-C36)	<5.23	U	5.23		mg/L		09/23/24 08:22	09/24/24 03:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 135	09/23/24 08:22	09/24/24 03:47	1
o-Terphenyl	112		70 - 135	09/23/24 08:22	09/24/24 03:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88800		1000		mg/L			09/21/24 02:49	2000

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48778-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-48712-C-1 MS	Matrix Spike	112	100
880-48712-C-1 MSD	Matrix Spike Duplicate	110	95
880-48778-1	Playa Lake Water	111	104
LCS 880-91395/34	Lab Control Sample	112	102
LCSD 880-91395/35	Lab Control Sample Dup	108	97
MB 880-91106/5-A	Method Blank	137 S1+	83
MB 880-91395/39	Method Blank	166 S1+	96
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-135)	OTPH1 (70-135)
880-48778-1	Playa Lake Water	100	112
LCS 860-188846/2-A	Lab Control Sample	100	91
MB 860-188846/1-A	Method Blank	100	102
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
LCSD 860-188846/3-A	Lab Control Sample Dup		
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48778-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91106/5-A							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 91395							Prep Batch: 91106		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Toluene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
o-Xylene	<0.00200	U	0.00200		mg/L		09/18/24 12:36	09/21/24 16:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/L		09/18/24 12:36	09/21/24 16:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				09/18/24 12:36	09/21/24 16:06	1
1,4-Difluorobenzene (Surr)	83		70 - 130				09/18/24 12:36	09/21/24 16:06	1

Lab Sample ID: MB 880-91395/39							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 91395									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Toluene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1
o-Xylene	<0.00200	U	0.00200		mg/L			09/22/24 03:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			09/22/24 03:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130					09/22/24 03:43	1
1,4-Difluorobenzene (Surr)	96		70 - 130					09/22/24 03:43	1

Lab Sample ID: LCS 880-91395/34							Client Sample ID: Lab Control Sample		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 91395									
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.08945		mg/L		89	70 - 130	
Toluene		0.100	0.07725		mg/L		77	70 - 130	
Ethylbenzene		0.100	0.08740		mg/L		87	70 - 130	
m-Xylene & p-Xylene		0.200	0.1849		mg/L		92	70 - 130	
o-Xylene		0.100	0.09525		mg/L		95	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: LCSD 880-91395/35							Client Sample ID: Lab Control Sample Dup			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 91395										
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.09007		mg/L		90	70 - 130	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48778-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-91395/35

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike		LCSD		Unit	D	%Rec	%Rec		RPD
	Added	Result	Qualifier	Limit				Limits	RPD	
Toluene	0.100	0.08554			mg/L		86	70 - 130	10	20
Ethylbenzene	0.100	0.09203			mg/L		92	70 - 130	5	20
m-Xylene & p-Xylene	0.200	0.1643			mg/L		82	70 - 130	12	20
o-Xylene	0.100	0.08217			mg/L		82	70 - 130	15	20
LCSD		LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	108		70 - 130							
1,4-Difluorobenzene (Surr)	97		70 - 130							

Lab Sample ID: 880-48712-C-1 MS

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Benzene	<0.00200	U	0.100	0.09012		mg/L		90	70 - 130	
Toluene	<0.00200	U	0.100	0.08278		mg/L		83	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.08268		mg/L		83	70 - 130	
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1721		mg/L		86	70 - 130	
o-Xylene	<0.00200	U	0.100	0.08968		mg/L		90	70 - 130	
MS		MS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	112		70 - 130							
1,4-Difluorobenzene (Surr)	100		70 - 130							

Lab Sample ID: 880-48712-C-1 MSD

Matrix: Water

Analysis Batch: 91395

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Benzene	<0.00200	U	0.100	0.09144		mg/L		91	70 - 130	1	25
Toluene	<0.00200	U	0.100	0.08947		mg/L		89	70 - 130	8	25
Ethylbenzene	<0.00200	U	0.100	0.09520		mg/L		95	70 - 130	14	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1827		mg/L		91	70 - 130	6	25
o-Xylene	<0.00200	U	0.100	0.09854		mg/L		99	70 - 130	9	25
MSD		MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	110		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 860-188846/1-A

Matrix: Water

Analysis Batch: 189324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 188846

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48778-1
SDG: Eddy County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 860-188846/1-A
Matrix: Water
Analysis Batch: 189324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 188846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1
Oil Range Organics (Over C28-C36)	<5.00	U	5.00		mg/L		09/23/24 08:22	09/25/24 08:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 135				09/23/24 08:22	09/25/24 08:53	1
o-Terphenyl	102		70 - 135				09/23/24 08:22	09/25/24 08:53	1

Lab Sample ID: LCS 860-188846/2-A
Matrix: Water
Analysis Batch: 189324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 188846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	100	105.0		mg/L		105	70 - 135		
Diesel Range Organics (Over C10-C28)	100	102.3		mg/L		102	70 - 135		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	100		70 - 135						
o-Terphenyl	91		70 - 135						

Lab Sample ID: LCSD 860-188846/3-A
Matrix: Water
Analysis Batch: 189324

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 188846

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	100	107.2		mg/L					
Diesel Range Organics (Over C10-C28)	100	106.1		mg/L					
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane									
o-Terphenyl									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91065/3
Matrix: Water
Analysis Batch: 91065

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500		mg/L			09/20/24 23:48	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48778-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-91065/4				Client Sample ID: Lab Control Sample							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			25.0	24.24		mg/L		97	90 - 110		

Lab Sample ID: LCSD 880-91065/5				Client Sample ID: Lab Control Sample Dup							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			25.0	24.29		mg/L		97	90 - 110	0	20

Lab Sample ID: 880-48492-A-2 MS				Client Sample ID: Matrix Spike							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	634		1250	1884		mg/L		100	90 - 110		

Lab Sample ID: 880-48492-A-2 MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 91065											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	634		1250	1883		mg/L		100	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48778-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 91106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91106/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 91395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	8021B	
MB 880-91106/5-A	Method Blank	Total/NA	Water	8021B	91106
MB 880-91395/39	Method Blank	Total/NA	Water	8021B	
LCS 880-91395/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-91395/35	Lab Control Sample Dup	Total/NA	Water	8021B	
880-48712-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-48712-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 91484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	Total BTEX	

GC Semi VOA

Analysis Batch: 188805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	8015B NM	188846

Prep Batch: 188846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	8015NM Aq Prep	
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 189324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-188846/1-A	Method Blank	Total/NA	Water	8015B NM	188846
LCS 860-188846/2-A	Lab Control Sample	Total/NA	Water	8015B NM	188846
LCSD 860-188846/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	188846

Analysis Batch: 189832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	8015 NM	

HPLC/IC

Analysis Batch: 91065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48778-1	Playa Lake Water	Total/NA	Water	300.0	
MB 880-91065/3	Method Blank	Total/NA	Water	300.0	
LCS 880-91065/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-91065/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-48492-A-2 MS	Matrix Spike	Total/NA	Water	300.0	
880-48492-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48778-1
SDG: Eddy County, New Mexico

Client Sample ID: Playa Lake Water
Date Collected: 09/20/24 00:00
Date Received: 09/20/24 13:45

Lab Sample ID: 880-48778-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	91395	09/22/24 09:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91484	09/22/24 09:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			189832	09/24/24 03:47	TTD	EET HOU
Total/NA	Prep	8015NM Aq Prep			28.7 mL	3 mL	188846	09/23/24 08:22	TH	EET HOU
Total/NA	Analysis	8015B NM		1			188805	09/24/24 03:47	W1N	EET HOU
Total/NA	Analysis	300.0		2000			91065	09/21/24 02:49	CH	EET MID

Laboratory References:
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48778-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Chloride
Total BTEX		Water	Total BTEX

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Method Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48778-1
SDG: Eddy County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Aq Prep	Microextraction	SW846	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Spill #2

Job ID: 880-48778-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48778-1	Playa Lake Water	Water	09/20/24 00:00	09/20/24 13:45

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Chain of Custody



19778 Chain of Custody

Page 1 of 1

Work Order Comments

Program: ☐ PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other: ☐

Project Manager:	Devin Dominguez	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-701-5475	Email:	mcarmona@carmonaresources.com

[illegible]

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

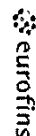
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9/20/24		9/10/24

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Eurofins Midland

1211 W Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record



Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48778-1

SDG Number: Eddy County, New Mexico

Login Number: 48778

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48778-1
SDG Number: Eddy County, New Mexico

Login Number: 48778
List Number: 2
Creator: Baker, Jeremiah

List Source: Eurofins Houston
List Creation: 09/21/24 01:11 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 20, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MEWBOURNE - BLOOMING ONION

Enclosed are the results of analyses for samples received by the laboratory on 01/14/25 14:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 1 (1') (H250192-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9060	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 2 (1') (H250192-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.90	95.2	2.00	2.96		
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6530	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 3 (1') (H250192-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.90	95.2	2.00	2.96		
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43		
Total BTX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 4 (1') (H250192-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.90	95.2	2.00	2.96		
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 5 (1') (H250192-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6530	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 6 (1') (H250192-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6260	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 7 (1') (H250192-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1340	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 8 (1') (H250192-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1580	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 9 (1') (H250192-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 10 (1') (H250192-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 11 (1') (H250192-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 12 (1') (H250192-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 13 (1') (H250192-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1470	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 14 (1') (H250192-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 15 (1') (H250192-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3400	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 16 (1') (H250192-16)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86	
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93	
Total BTX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2640	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 17 (1') (H250192-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 18 (1') (H250192-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 19 (1') (H250192-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4200	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 20 (1') (H250192-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2360	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 21 (1') (H250192-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 22 (1') (H250192-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2640	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 23 (1') (H250192-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 24 (1') (H250192-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	6.86		
Toluene*	<0.050	0.050	01/15/2025	ND	2.28	114	2.00	1.95		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.38	119	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	7.29	122	6.00	2.93		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 25 (1') (H250192-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 26 (1') (H250192-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 27 (1') (H250192-27)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 28 (1') (H250192-28)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06	
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61	
Total BTEX	<0.300	0.300	01/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2640	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 29 (1') (H250192-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1900	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 30 (1') (H250192-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	216	108	200	5.38	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	200	100	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 31 (1') (H250192-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 32 (1') (H250192-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1810	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 33 (1') (H250192-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 34 (1') (H250192-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 35 (1') (H250192-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 36 (1') (H250192-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 37 (1') (H250192-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 38 (1') (H250192-38)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 39 (1') (H250192-39)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 40 (1') (H250192-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 41 (1') (H250192-41)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 42 (1') (H250192-42)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 43 (1') (H250192-43)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1560	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 44 (1') (H250192-44)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	2.07	103	2.00	4.06		
Toluene*	<0.050	0.050	01/16/2025	ND	2.25	113	2.00	9.78		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.42	121	2.00	8.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	7.27	121	6.00	8.61		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 45 (1') (H250192-45)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53	QM-07	
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 46 (1') (H250192-46)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 47 (1') (H250192-47)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 48 (1') (H250192-48)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 49 (1') (H250192-49)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1970	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 50 (1') (H250192-50)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1970	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	200	100	200	3.61	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 51 (1') (H250192-51)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 52 (1') (H250192-52)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 53 (1') (H250192-53)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2290	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 54 (1') (H250192-54)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	01/15/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 55 (1') (H250192-55)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 56 (1') (H250192-56)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 57 (1') (H250192-57)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 58 (1') (H250192-58)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 59 (1') (H250192-59)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 60 (1') (H250192-60)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEx	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2210	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 61 (1') (H250192-61)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEx	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2640	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 62 (1') (H250192-62)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/15/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.01	100	6.00	3.53		
Total BTEx	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	01/15/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 63 (1') (H250192-63)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/16/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2640	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 64 (1') (H250192-64)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	1.95	97.3	2.00	3.37		
Toluene*	<0.050	0.050	01/16/2025	ND	2.09	104	2.00	3.35		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	3.51		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.01	100	6.00	3.53		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1500	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 65 (1') (H250192-65)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 66 (1') (H250192-66)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31		
Total BTEx	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 67 (1') (H250192-67)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	01/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 68 (1') (H250192-68)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 69 (1') (H250192-69)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31		
Total BTEx	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3480	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 70 (1') (H250192-70)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	204	102	200	7.87	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	186	92.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 71 (1') (H250192-71)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31		
Total BTEx	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 72 (1') (H250192-72)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 73 (1') (H250192-73)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31		
Total BTEx	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1410	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 74 (1') (H250192-74)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	01/16/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 75 (1') (H250192-75)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	01/16/2025	ND	448	112	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 1 (1') (H250192-76)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2440	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 2 (1') (H250192-77)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/15/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.84	114	6.00	2.31		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3 (1') (H250192-78)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4 (1') (H250192-79)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	01/16/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 5 (1') (H250192-80)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.98	98.9	2.00	2.25	
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31	
Total BTEX	<0.300	0.300	01/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1970	16.0	01/16/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 6 (1') (H250192-81)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 7 (1') (H250192-82)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31		
Total BTEX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 8 (1') (H250192-83)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31		
Total BTEx	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	01/16/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 9 (1') (H250192-84)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	1.98	98.9	2.00	2.25		
Toluene*	<0.050	0.050	01/16/2025	ND	2.16	108	2.00	2.56		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.26	113	2.00	2.80		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.84	114	6.00	2.31		
Total BTEx	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 10 (1') (H250192-85)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	QM-07	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 11 (1') (H250192-86)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92		
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24		
Total BTX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1640	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 12 (1') (H250192-87)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 13 (1') (H250192-88)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	01/16/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 14 (1') (H250192-89)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92	
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24	
Total BTEx	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 15 (1') (H250192-90)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92		
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	211	105	200	7.44	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	212	106	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 16 (1') (H250192-91)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92		
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24		
Total BTX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1880	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 17 (1') (H250192-92)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92		
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 18 (1') (H250192-93)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92		
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 19 (1') (H250192-94)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92		
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 20 (1') (H250192-95)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92		
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24		
Total BTEx	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	01/16/2025	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 21 (1') (H250192-96)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2025	ND	1.92	96.1	2.00	2.92		
Toluene*	<0.050	0.050	01/15/2025	ND	2.08	104	2.00	3.18		
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.14	107	2.00	3.08		
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.38	106	6.00	3.24		
Total BTEX	<0.300	0.300	01/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	01/16/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 22 (1') (H250192-97)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	1.92	96.1	2.00	2.92		
Toluene*	<0.050	0.050	01/16/2025	ND	2.08	104	2.00	3.18		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.14	107	2.00	3.08		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.38	106	6.00	3.24		
Total BTEx	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	01/16/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 23 (1') (H250192-98)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	1.92	96.1	2.00	2.92		
Toluene*	<0.050	0.050	01/16/2025	ND	2.08	104	2.00	3.18		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.14	107	2.00	3.08		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.38	106	6.00	3.24		
Total BTEx	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	01/16/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 24 (1') (H250192-99)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/16/2025	ND	1.92	96.1	2.00	2.92		
Toluene*	<0.050	0.050	01/16/2025	ND	2.08	104	2.00	3.18		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.14	107	2.00	3.08		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.38	106	6.00	3.24		
Total BTEx	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1630	16.0	01/16/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	203	101	200	2.37	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	196	97.8	200	0.494	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 14250192

Page 1 of 10

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonarresources.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> growfields <input type="checkbox"/> RRC <input type="checkbox"/> upertund
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Mewbourne- Blooming Onion	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number:	2511	<input checked="" type="checkbox"/> Routine														None: NO	DI Water: H ₂ O
Project Location:	Eddy County, New Mexico	Due Date:	Standard TAT													Cool: Cool	MeOH: Me
Sampler's Name:	CMM, JM															HCL: HC	HNO ₃ : HN
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No										H ₃ PO ₄ : HP	
Received Intact:	Yes	No		Thermometer ID:												NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:												Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:												Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:												NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments
1 CS-1 (1')	1/9/2025		X		C	1	X	X	X								
2 CS-2 (1')	1/9/2025		X		C	1	X	X	X								
3 CS-3 (1')	1/9/2025		X		C	1	X	X	X								
4 CS-4 (1')	1/9/2025		X		C	1	X	X	X								
5 CS-5 (1')	1/9/2025		X		C	1	X	X	X								
6 CS-6 (1')	1/9/2025		X		C	1	X	X	X								
7 CS-7 (1')	1/9/2025		X		C	1	X	X	X								
8 CS-8 (1')	1/9/2025		X		C	1	X	X	X								
9 CS-9 (1')	1/9/2025		X		C	1	X	X	X								
10 CS-10 (1')	1/9/2025		X		C	1	X	X	X								

Comments: Email to Mike Carmona / mcarmona@carmonarresources.com and Conner Moehring / cmoehring@carmonarresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Reef</u>	<u>1/14/25</u>	<u>HOJ</u>	<u>8/20/2025</u>

Chain of Custody

Work Order No: H250192

Page 2 of 10

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonarresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Mewbourne- Blooming Onion	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	2511	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush													None: NO	DI Water: H ₂ O
Project Location	Eddy County, New Mexico	Due Date	Standard TAT												Cool: Cool	MeOH: Me
Sampler's Name:	CMM, JM														HCL: HC	HNO ₃ : HN
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Well Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Parameters								H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor:				BTEX 8021B								NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:				TPH 8015M (GRO + DRO + MRO)								Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Corrected Temperature:				Chloride 4500								Zn Acetate+NaOH: Zn	
Total Containers:															NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments
11 CS-11 (1')	1/9/2025		X		C	1	X	X	X								
12 CS-12 (1')	1/9/2025		X		C	1	X	X	X								
13 CS-13 (1')	1/9/2025		X		C	1	X	X	X								
14 CS-14 (1')	1/9/2025		X		C	1	X	X	X								
15 CS-15 (1')	1/9/2025		X		C	1	X	X	X								
16 CS-16 (1')	1/9/2025		X		C	1	X	X	X								
17 CS-17 (1')	1/9/2025		X		C	1	X	X	X								
18 CS-18 (1')	1/9/2025		X		C	1	X	X	X								
19 CS-19 (1')	1/9/2025		X		C	1	X	X	X								
20 CS-20 (1')	1/9/2025		X		C	1	X	X	X								

Comments: Email to Mike Carmona / mcarmona@carmonarresources.com and Conner Moehring / Cmoehring@carmonarresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/14/25 1402		

Chain of Custody

Work Order No: 1185002

Page 3 of 10

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcamona@carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Newbourne- Blooming Onion		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number:	2511															None: NO	DI Water: H ₂ O	
Project Location:	Eddy County, New Mexico		Due Date:	Standard TAT												Cool: Cool	MeOH: Me	
Sampler's Name:	CMM, JM															HCL: HC	HNO ₃ : HN	
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters										H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:														NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:														Na ₂ S ₂ O ₅ : NaSO ₃		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:														Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC		

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments
01 CS-21 (1')	1/9/2025		X		C	1	X	X	X								
02 CS-22 (1')	1/9/2025		X		C	1	X	X	X								
03 CS-23 (1')	1/9/2025		X		C	1	X	X	X								
04 CS-24 (1')	1/9/2025		X		C	1	X	X	X								
05 CS-25 (1')	1/9/2025		X		C	1	X	X	X								
06 CS-26 (1')	1/9/2025		X		C	1	X	X	X								
07 CS-27 (1')	1/9/2025		X		C	1	X	X	X								
08 CS-28 (1')	1/9/2025		X		C	1	X	X	X								
09 CS-29 (1')	1/9/2025		X		C	1	X	X	X								
10 CS-30 (1')	1/9/2025		X		C	1	X	X	X								

Comments: Email to Mike Cammona / Mcamona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>MCB</u>	<u>1/14/25 1400</u>	<u>Sped Ki gung</u>	

Chain of Custody

Work Order No: 1350192

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Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Mewbourne- Blooming Onion		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	2511		Due Date: <u>Standard TAT</u>													None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₅ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC				
Project Location:	Eddy County, New Mexico																			
Sampler's Name:	CMM, JM																			
PO #:																				
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters													
Received Intact:			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140															
Cooler Custody Seals:			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.4															
Sample Custody Seals:			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	-2.3															
Total Containers:			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	-2.7															
Sample Identification			Date	Time	Soil	Water	Grav/Comp	# of Cont											Sample Comments	
31 CS-31 (1)			1/9/2025		X		C	1	X	X	X									
32 CS-32 (1)			1/9/2025		X		C	1	X	X	X									
33 CS-33 (1)			1/9/2025		X		C	1	X	X	X									
34 CS-34 (1)			1/9/2025		X		C	1	X	X	X									
35 CS-35 (1)			1/9/2025		X		C	1	X	X	X									
36 CS-36 (1)			1/9/2025		X		C	1	X	X	X									
37 CS-37 (1)			1/9/2025		X		C	1	X	X	X									
38 CS-38 (1)			1/9/2025		X		C	1	X	X	X									
39 CS-39 (1)			1/9/2025		X		C	1	X	X	X									
40 CS-40 (1)			1/9/2025		X		C	1	X	X	X									

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
<u>[Signature]</u>		1/14/25 1402	<u>[Signature]</u>		

Chain of Custody

Work Order No: 1350192

Page 5 of 10

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcammona@carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Mewbourne-Blooming Onion	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number:	2511															None: NO	DI Water: H ₂ O	
Project Location:	Eddy County, New Mexico	Due Date:	Standard TAT													Cool: Cool	MeOH: Me	
Sample's Name:	CMM, JM															HCL: HC	HNO ₃ : HN	
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes	No	Yes	No	Wet Ice:	Yes	No									H ₃ PO ₄ : HP	
Received Intact:	Yes	No		Thermometer ID:													NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:													Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:													Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:													NaOH+Ascorbic Acid: SACP	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments
U1 CS-41 (1')	1/9/2025		X		C	1	X	X	X								
U2 CS-42 (1')	1/9/2025		X		C	1	X	X	X								
U3 CS-43 (1')	1/9/2025		X		C	1	X	X	X								
U4 CS-44 (1')	1/9/2025		X		C	1	X	X	X								
U5 CS-45 (1')	1/9/2025		X		C	1	X	X	X								
U6 CS-46 (1')	1/9/2025		X		C	1	X	X	X								
U7 CS-47 (1')	1/9/2025		X		C	1	X	X	X								
U8 CS-48 (1')	1/9/2025		X		C	1	X	X	X								
U9 CS-49 (1')	1/9/2025		X		C	1	X	X	X								
U10 CS-50 (1')	1/9/2025		X		C	1	X	X	X								

Comments: Email to Mike Carmona / mcammona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/14/25 1400		

Chain of Custody

Work Order No: 1250193

Page 6 of 10

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> PRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Newbourne-Blooming Onion		Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	2511		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush													None: NO	DI Water: H ₂ O
Project Location:	Eddy County, New Mexico		Due Date:	Standard TAT												Cool: Cool	MeOH: Me
Sampler's Name:	CMM, JM															HCL: HC	HNO ₃ : HN
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>												H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:														NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:														Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:														Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Sample Comments
51 CS-51 (1')	1/9/2025		X		C	1	X	X	X								
52 CS-52 (1')	1/9/2025		X		C	1	X	X	X								
53 CS-53 (1')	1/9/2025		X		C	1	X	X	X								
54 CS-54 (1')	1/9/2025		X		C	1	X	X	X								
55 CS-55 (1')	1/9/2025		X		C	1	X	X	X								
56 CS-56 (1')	1/9/2025		X		C	1	X	X	X								
57 CS-57 (1')	1/9/2025		X		C	1	X	X	X								
58 CS-58 (1')	1/9/2025		X		C	1	X	X	X								
59 CS-59 (1')	1/9/2025		X		C	1	X	X	X								
60 CS-60 (1')	1/9/2025		X		C	1	X	X	X								

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/14/25 192		

Chain of Custody

Work Order No: 455992

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Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Newbourne- Blooming Onion		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	2511																None: NO	DI Water: H ₂ O
Project Location:	Eddy County, New Mexico		Due Date:	Standard TAT													Cool: Cool	MeOH: Me
Sampler's Name:	CMM, JM																HCL: HC	HNO ₃ : HN
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters											
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:					BTX 8021B											
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:					TPH 8015M (GRO + DRO + MRO)											
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:					Chloride 4500											
Total Containers:		Corrected Temperature:																

Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont	TP										Sample Comments
101	CS-61 (1')	1/9/2025		X		C	1	X	X	X								
102	CS-62 (1')	1/9/2025		X		C	1	X	X	X								
103	CS-63 (1')	1/9/2025		X		C	1	X	X	X								
104	CS-64 (1')	1/9/2025		X		C	1	X	X	X								
105	CS-65 (1')	1/9/2025		X		C	1	X	X	X								
106	CS-66 (1')	1/9/2025		X		C	1	X	X	X								
107	CS-67 (1')	1/9/2025		X		C	1	X	X	X								
108	CS-68 (1')	1/9/2025		X		C	1	X	X	X								
109	CS-69 (1')	1/9/2025		X		C	1	X	X	X								
110	CS-70 (1')	1/9/2025		X		C	1	X	X	X								

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>1/14/25 1405</u>	<u>[Signature]</u>	

Chain of Custody

Work Order No: 4050192

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Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcammona@carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Newbourne-Blooming Onion		Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	2511		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush														None: NO	DI Water: H ₂ O
Project Location:	Eddy County, New Mexico		Due Date:	Standard TAT													Cool: Cool	MeOH: Me
Sampler's Name:	CMM, JM																HCL: HC	HNO ₃ : HN
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Correction Factor:														NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Temperature Reading:														Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Corrected Temperature:														Zn Acetate+NaOH: Zn	
Total Containers:																	NaOH+Ascorbic Acid: SAPC	

Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont	TP										Sample Comments
71	CS-71 (1)	1/9/2025		X		C	1	X	X	X								
72	CS-72 (1)	1/9/2025		X		C	1	X	X	X								
73	CS-73 (1)	1/9/2025		X		C	1	X	X	X								
74	CS-74 (1)	1/9/2025		X		C	1	X	X	X								
75	CS-75 (1)	1/9/2025		X		C	1	X	X	X								
76	SW-1 (1)	1/9/2025		X		C	1	X	X	X								
77	SW-2 (1)	1/9/2025		X		C	1	X	X	X								
78	SW-3 (1)	1/9/2025		X		C	1	X	X	X								
79	SW-4 (1)	1/9/2025		X		C	1	X	X	X								
80	SW-5 (1)	1/9/2025		X		C	1	X	X	X								

Comments: Email to Mike Carmona / mcammona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/14/25 1:44		

Chain of Custody

Work Order No: 11856192

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Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcammona@carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> SRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Newbourne - Blooming Onion		Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number:	2511		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		None: NO	DI Water: H ₂ O										
Project Location:	Eddy County, New Mexico		Due Date: Standard TAT		Cool: Cool	MeOH: Me										
Sampler's Name:	CMM, JM				HCL: HC	HNO ₃ : HN										
PO #:					H ₂ SO ₄ : H ₂	NaOH: Na										
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	H ₃ PO ₄ : HP											
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:			NaHSO ₄ : NABIS											
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:			Na ₂ S ₂ O ₈ : NaSO ₃											
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:			Zn Acetate+NaOH: Zn											
Total Containers:		Corrected Temperature:			NaOH+Ascorbic Acid: SAPC											

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
81 SW-6 (1')	1/9/2025		X		C	1	X	X	X								
82 SW-7 (1')	1/9/2025		X		C	1	X	X	X								
83 SW-8 (1')	1/9/2025		X		C	1	X	X	X								
84 SW-9 (1')	1/9/2025		X		C	1	X	X	X								
85 SW-10 (1')	1/9/2025		X		C	1	X	X	X								
86 SW-11 (1')	1/9/2025		X		C	1	X	X	X								
87 SW-12 (1')	1/9/2025		X		C	1	X	X	X								
88 SW-13 (1')	1/9/2025		X		C	1	X	X	X								
89 SW-14 (1')	1/9/2025		X		C	1	X	X	X								
90 SW-15 (1')	1/9/2025		X		C	1	X	X	X								

Comments: Email to Mike Carmona / mcammona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/14/25 14:05		

Chain of Custody

Work Order No: 11850192

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonarresources.com

Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund	
State of Project:	
Reporting Level II <input type="checkbox"/>	Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD <input type="checkbox"/>	ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:		Mewbourne- Blooming Onion		Turn Around		ANALYSIS REQUEST												Preservative Codes	
Project Number:	2511	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code													None: NO	DI Water: H ₂ O	
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT														Cool: Cool	MeOH: Me	
Sampler's Name:	CMM, JM																HCL: HC	HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No	Parameters												H ₃ PO ₄ : HP	
Received Intact:	Yes No	Thermometer ID:				BTEX 8021B												NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes No N/A	Correction Factor:				TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes No N/A	Temperature Reading:				Chloride 4500												Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments	
01	SW-16 (1')	1/9/2025		X		C	1	X	X	X									
02	SW-17 (1')	1/9/2025		X		C	1	X	X	X									
03	SW-18 (1')	1/9/2025		X		C	1	X	X	X									
04	SW-19 (1')	1/9/2025		X		C	1	X	X	X									
05	SW-20 (1')	1/9/2025		X		C	1	X	X	X									
06	SW-21 (1')	1/9/2025		X		C	1	X	X	X									
07	SW-22 (1')	1/9/2025		X		C	1	X	X	X									
08	SW-23 (1')	1/9/2025		X		C	1	X	X	X									
09	SW-24 (1')	1/9/2025		X		C	1	X	X	X									

Comments: Email to Mike Carmona / mcarmona@carmonarresources.com and Conner Moehring / Cmoehring@carmonarresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/14/25 14:22		



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 20, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MEWBOURNE - BLOOMING ONION

Enclosed are the results of analyses for samples received by the laboratory on 01/14/25 14:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/14/2025
 Reported: 01/20/2025
 Project Name: MEWBOURNE - BLOOMING ONION
 Project Number: 2511
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 01/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TWIN WELLS RANCH - BACKFILL MATERIAL (H250191-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	1.90	95.2	2.00	2.96	
Toluene*	<0.050	0.050	01/15/2025	ND	2.03	101	2.00	2.99	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.05	102	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.11	102	6.00	3.43	
Total BTX	<0.300	0.300	01/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/15/2025	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/15/2025	ND	189	94.4	200	5.67	
DRO >C10-C28*	<10.0	10.0	01/15/2025	ND	183	91.7	200	9.29	
EXT DRO >C28-C36	<10.0	10.0	01/15/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Work Order No: HA50191

Released to Imaging: 3/12/2025 4:38:15 PM

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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 429678

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 429678
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2424137423
Incident Name	NAPP2424137423 BLOOMIN ONION FRAC LINE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Bloomin Onion Frac Line
Date Release Discovered	08/15/2024
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Pipeline (Any) Produced Water Released: 49 BBL Recovered: 20 BBL Lost: 29 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 429678

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 429678
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 08/28/2024
--	---

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QUESTIONS, Page 3

Action 429678

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 429678
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan 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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	15700
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	69.2
GRO+DRO (EPA SW-846 Method 8015M)	69.2
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	01/01/2025
On what date will (or did) the final sampling or liner inspection occur	01/01/2025
On what date will (or was) the remediation complete(d)	01/09/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	13838
What is the estimated volume (in cubic yards) that will be remediated	513

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 429678

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 429678
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 10/18/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 429678

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 429678
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 429678

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 429678
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	417483
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/09/2025
What was the (estimated) number of samples that were to be gathered	43
What was the sampling surface area in square feet	6915

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	13838
What was the total volume (cubic yards) remediated	513
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Please see attached closure report for complete remediation activities.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 02/07/2025

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 7

Action 429678

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 429678
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 429678

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 429678
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	3/12/2025